Bruhat Bengaluru Mahanagara Palike
Bengaluru – 560 064

TENDERS FOR THE WORK OF

Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants -Package – 7

On Item Rate Basis under Two Cover System
(Short Term Tender Notification)
(Through GOK, http://kppp.karnataka.gov.in/kppp)

Tender Reference	:	No. EE/RI-YNK/TEND/07/2024–25, Date: 12.03.2025
Availability of Tender Document	:	From 13.03.2025 onwards in the Karnataka Public Procurment Portal
Last Date for Uploading the Filled Tender Document	:	27.03.2025 upto 16.00 hrs.
Time and Date of Opening of Technical Bid of Tenders	:	28.03.2025 at 16.30 hrs.
Place of Opening of Technical Bid of Tenders	:	Office of the Executive Engineer , Road Infrastructure-Yelahanka Division , BBMP, 3rd Floor, Mini Vidhana Soudha, Yelahanka, Bengaluru – 560 064
Time and Date of Opening of Financial Bid of Tenders	:	Will be intimated to the Qualified Tenderers
Place of Opening of Financial Bid of Tenders	:	Will be intimated to the Qualified Tenderers
Address for Communication	:	Office of the Executive Engineer , Road Infrastructure-Yelahanka Division , BBMP, 3rd Floor, Mini Vidhana Soudha, Yelahanka, Bengaluru – 560 064

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BRUHAT BENGALURU MAHANAGARA PALIKE

Office of the Executive Engineer, Road Infrastructure – Yelahanka Division, 3rd floor, Mini Vidhana Soudha, Yelahanka, Bengaluru-560064.
bbmpeeriynk@gmail.com

No. EE/RI-YNK/TEND/07/2024–25 Date: 12.03.2025

INVITATION FOR TENDER (IFT)
(Two cover system)
(Short Term Tender Notification)
(Through **GOK http://kppp.karnataka.gov.in** only)

1. The Executive Engineer Yelahanka Division BBMP, Bengaluru invites tenders from eligible tenderers, for the construction of works detailed in the Table below. The tenderers may submit tenders for the works given in the Table below through e – Procurement Portal of the Government of Karnataka (viz. http://kppp.karnataka.gov.in). The Tenderers are advised to note the Minimum **Qualification of the Tenderer** specified Criteria in (as detailed in ITT Clause 3and 6) of the Instructions to Tenderers to qualify for Award of the Contract as per Standard Bidding Document uploaded in the KPP Portal.
2. Tender Documents may be downloaded from the Karnataka Public Procurement Portal of the Government of Karnataka from **13.03.2025.**
3. Tenders must be accompanied by Earnest Money Deposit specified for the Work in the table below. Earnest Money Deposit will have to be in any one of the forms as specified in the Clause 13 of Tender Document and shall have to be valid for 90 days beyond the Validity of the Tender.
4. Tenders must be submitted online through KPP Portal on or before 16:00 hours on **27.03.2025** and the Opening of Tenders will be as per the KPP Portal Guidelines.
5. Other Details can be seen in the Tender Document.
6. GST Shall be Paid to the tendered amount separately

Sl. No.	Name of the Work	Approx. Amount put to tender (Rs. In Lakh)	EMD (Rs. In Lakhs)	Cost of the tender form in Rs.	Period of Completion
1	Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under Escrow Grants Package – 7	Rs.8009	Rs.80.09 (Rupees 1.00 Lakh through KPP portal, balance Rs.79.09 Lakh in the form of E-Bank Guarantee)	As per eProcurement portal	22 Months (including Monsoon Season)

NOTE:

1. A Pre-Tender Meeting will be held on **20.03.2025** at 16:00 hours in the office of the Chief Engineer Road infrastructure to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instructions to Tenderers" of the Technical Bid Document.
2. Technical Bids will be opened on the website http://kppp.karnataka.gov.in in the office of the Executive Engineer - on **28.03.2025** at 16:30 hours.

3. Aspiring Tenderers / Contractors who have not registered in e – Procurement should register before participating through the website http://kppp.karnataka.gov.in
4. Before Submission of Online Tenders, Tenderers must ensure that Scanned Copies of all the necessary Documents have been attached with the Tender.
5. All the Information required for Tenders must be filled and submitted online.
6. For details, Registration and e–Payment visit GOK KPP Portal Website http://kppp.karnataka.gov.in or contact KPP Portal Helpdesk at 080 – 22441076.
7. This Tender Notice can also be seen on the BBMP website www.bbmp.gov.in.

Sd/-
Executive Engineer
RI-Yelahanka Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru

Copy Submitted to:

1. Personnel Secretary to Hon'ble Administrator to bring into the kind notice of the Hon'ble Administrator.
2. Hon'ble Chief Commissioner for kind information.
3. Special Commissioner (Projects)/Special Commissioner (Finance) for kind information
4. Engineer–in–Chief for kind information.
5. Chief Engineer (Road Infrastructure) for kind information
6. Superintending Engineer (Road Infrastructure) for kind information
7. CAO / Chief Auditor for kind information.
8. I. T. Advisor with a Request to publish the same in the BBMP Website.
9. Public Relation Officer, BBMP for information and to publish in two leading National Newspapers in Kannada and English.
10. Notice board & Office Copy.

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

1.1 The Bruhat Bengaluru Mahanagara Palike (referred to as Employer in these documents) invites Tenders following Two Cover Tender Procedure, from Eligible Tenderers, for the Construction of Works (as defined in these documents and referred to as "the Works") as detailed in the Table given in the Invitation for Tenders (IFT).

2. Eligible Tenderers

2.1 Tenderers shall not be under a Declaration of Ineligibility for Corrupt and Fraudulent Practices issued by the Government of Karnataka

2.2 **Tenders from Joint Ventures / Consortia are not acceptable.**

3. Qualification of the Tenderer

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification Information.

3.2 To qualify for Award of this Contract, each Tenderer in its name should have in the last five years i.e. 2019-18 to 2023-24

a. Achieved in at least two Financial Years a minimum Financial Turnover (in all classes of Civil Engineering Construction Works only) of **Rs.80.09 Crores**. Further, the Financial Turnover of the Previous Years shall be given a Weightage of 10% per year to bring them to the Price Level of 2023 – 24.

b. Should not have undergone Financial Loss in the last five Financial Years. In support of this, the Tenderer shall submit Reports on the Financial Standing of the Tenderer, such as Profit and Loss Statements and Auditor's Reports for the last Five Years.

c. Mandatorily satisfactorily completed, as Prime Contractor, at least one Road development work with RCC structures/white topping Work of Value not less than **Rs. 40.05 Crores**. In support of this, the Tenderer shall furnish a Certificate duly certified by the Competent Authority not below the Rank of Executive Engineer along with the Technical Bid. Further, the value of the Completed Works of the Previous Years shall be given a Weightage of 10% per year to bring them to the Price Level of 2023 – 24.

d. Executed in any one Financial Year, the following minimum quantities of Work.

- Pavement Quality Concrete/M40 Grade concrete / White Topping 7886.00cum.
- Bituminous Macadam/DBM/BC 1980.00cum
- RCC (M20/M25/M30) 3306.00cum
- TMT 190.00 ton
- Earthwork 26156.00cum

In support of this, the Tenderer shall furnish Work done Certificate by mentioning the Executed Quantity in one Financial Year duly certified by the Competent Authority not below the Rank of Executive Engineer along with the Technical Bid.

3.3 Each Tenderer should further demonstrate

a. Availability by owning at least 50% of the following Key and Critical Equipment for this Work and the remaining 50% can be deployed on Lease / Hire Basis for all Works provided the Relevant Documents (Purchase Invoice in case of owning, Commitment Agreement in case of Lease / Hire Basis) for Availability for this Work are furnished. Further, Tenderer applying for more than one Package shall demonstrate the resource separately for each package.

Sl No	Equipment	No/Capacity		Total Requirement
		Own	Lease/ Hire	
1	Batch Mix Concrete Plant	1 No	1 No	2 (In the event of qualifying as lowest bidder the contractor shall install his own Batch Mix Concrete Plant for ensuring uniform supplies)
2	Concrete Paver (Slip Form/Fixed)	1 No	1 No	2
3	Bituminous Pavement Surface Milling Machine of minimum 1.00m width	-	1 No	1
4	Concrete Pavement Groove Cutting machine	2 Nos.	2 Nos.	4
5	Asphalt Paver	1 No.	-	1
6	Excavator	2 Nos	1 No	3
7	Tipper	3 Nos	2 Nos	5
8	Vibrator Roller	1 No	1 No	2
9	Static Roller	1 No	1 No	2
10	Air Compressor	1 No	1 No	2
11	Bitumen Sprayer	1 No	1 No	2

b. Liquid Assets and / or availability of Credit Facilities of no less than **Rs. 10.01 Crores** (Credit Lines / Letter of Credit / Certificates from Banks for meeting the Fund Requirement, etc.).

c. In the case of the death of a Contractor after executing the Agreement / Commencement of the Work, his Legal Heir, if an Eligible Registered Contractor and willing, can execute and complete the work at the accepted Tender Rates irrespective of the Cost of the Work.

3.4 To qualify for a Package of Contracts made up of this and other Contracts for which Tenders are invited in this IFT, the Tenderer must demonstrate having Experience and Resources to meet the Aggregate of the Qualifying Criteria for the Individual Contracts.

3.5 Sub Contractors' Experience and Resources shall not be taken into account in determining the Tenderers Compliance with the Qualifying Criteria.

3.6 Tenderers who meet the above specified minimum Qualifying Criteria, will only be qualified, if their available Tender Capacity is more than the total Tender Value. The available Tender Capacity will be calculated as under:

Assessed Available Tender Capacity = (A*N*1.5 – B)

Where

A = Maximum Value of Civil Engineering Works executed in any one year during the last five years (updated to 2023 –24 Price Level) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the Works for which Tenders are invited, i. e. 11 months.

B = Value, at 2023 – 24 Price Level, of existing commitments and on going works to be completed during the next 22 months.

Note: The Statements showing the value of existing commitments and on going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in Charge, not below the Rank of an Executive Engineer or equivalent.

3.7 Even though the Tenderers meet the above Criteria, they are subject to be Disqualified if they have

- made Misleading or False Representations in the Forms, Statements and Attachments submitted in Proof of the Qualification Requirements; and / or
- record of Poor Performance such as Abandoning the Works, not properly Completing the Contract, Inordinate Delays in Completion, Litigation History, or Financial Failures, etc. and / or
- participated in the Previous Tender for the Same Work and had quoted Unreasonably High Tender Prices and could not furnish Rational Justification.

4. One Tender per Tenderer

4.1 Each Tenderer shall submit only one Tender for each Project. A Tenderer who submits or participates in more than one Tender (other than as a Sub Contractor or in cases of alternatives that have been permitted or requested) will cause all the Proposals with the Tenderer's Participation to be disqualified.

5. Cost of Tendering

5.1 The Tenderer shall bear all Costs associated with the Preparation and Submission of his Tender, and the Employer will in no case be Responsible and Liable for those Costs.

6. Site Visit

6.1 The Tenderer at his own Responsibility and Risk is encouraged to visit and examine the Site of Works and its Surroundings and obtain all Information that may be necessary for Preparing the Tender and Entering into a Contract for Construction of the Works. The Cost of Visiting the Site shall be at the Tenderer's own Expense.

B. Tender Documents

7. Content of Tender Documents

7.1 The Tender Documents shall have all the Sections given in Page 2.

8. Clarification of Tender Documents

8.1 **Refer Clause No. 8.2 below**.

8.2 **Pre Tender Meeting**

8.2.1 The Tenderer or his Authorized Representative is invited to attend a Pre Tender Meeting, which will take place at the Office of the Engineer In Chief, Bruhat Bengaluru Mahanagara Palike, Room No. 108, 1st Floor, Annex-2 Building, N. R. Square, Bengaluru – 560 002 as on date mentioned in ITF.

8.2.2 The Purpose of the Meeting will be to clarify Issues and to answer Questions on any matter that may be raised at that stage.

8.2.3 The Tenderer is requested to submit any Questions in Writing or by KPP Portal to reach the Employer not later than as on date mentioned in ITF.

8.2.4 Minutes of the Meeting, including the Text of the Questions raised (without identifying the Source of Enquiry) and the Responses given will be displayed on the Website. Any Modification of the Tender Documents listed in Sub Clause 7.1 that may become necessary as a result of the Pre-Tender Meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the Minutes of the Pre-Tender Meeting and the same will be displayed on the Website.

8.2.5 Non-Attendance at the Pre-Tender Meeting will not be a cause for Disqualification of a Tenderer.

9. Amendment of Tender Documents

9.1 Before the Deadline for Submission of Tenders, the Employer may modify the Tender Documents by issuing Addenda.

9.2 Any Addendum thus issued shall be part of the Tender Documents and shall be displayed on the Website.

9.3 To give Prospective Tenderers reasonable time in which to take an Addendum into account in preparing their Tenders, the Employer shall extend as necessary the Deadline for Submission of Tenders, in accordance with Sub Clause 16.2 below.

C. Preparation of Tenders

10. Documents Comprising the Tender

10.1 The Tender submitted by the Tenderers shall contain the Documents as follows.

10.1.1 **Technical Bid**

a. Earnest Money Deposit.
b. Qualification Information as per Formats given in Section 3.

10.1.2 **Financial Bid**

a. The Tender (in the format indicated in Section 4).
b. Priced Bill of Quantities (Section 9).
and any other materials required to be completed and submitted by Tenderers in accordance with these Instructions. The Documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

11. Tender Prices

11.1 The Contract shall be for the whole Works as described in Sub Clause 1.1, based on the Priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in Rates and Prices and Line Item Total (both in Figures and Words) for all Items of the Works described in the Bill of Quantities along with Total Tender Price (both in Figures and Words). **Items for which no Rate or Price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other Rates and Prices in the Bill of Quantities**.

11.3 All Duties, Taxes, and other Levies payable by the Contractor under the Contract, or for any other cause, shall be included in the Rates, Prices and Total Tender Price submitted by the Tenderer.

11.4 The Rates and Prices quoted by the Tenderer shall be subject to adjustment during the Performance of the Contract in Accordance with the Provisions of Clause of the Conditions of Contract.

12. Tender Validity

12.1 Tenders shall remain valid for a period not less than Ninety (90) days after the Deadline Date for Tender Submission specified in Clause 16. A Tender valid for a shorter period shall be rejected by the Employer as Non Responsive.

12.2 In Exceptional Circumstances, prior to Expiry of the Original Time Limit, the Employer may request that the Tenderers may extend the Period of Validity for a Specified Additional Period. The Request and the Tenderers' Responses shall be made in writing or by cable. A Tenderer may refuse the Request without forfeiting his Earnest Money Deposit. A Tenderer agreeing to the Request will not be required or permitted to modify his Tender, but will be required to extend the Validity of his Earnest Money Deposit for a Period of the Extension, and in compliance with Clause 13 in all respects.

13. Earnest Money Deposit

- The Tenderer shall furnish, as part of his tender, Earnest Money Deposit (EMD) in the amount as mentioned in IFT for this particular Work. Further, out of the total EMD Amount **shall be in the form of e-Bank Guarantee from any Nationalized / Scheduled Bank** EMD Amount only **Rs.1.00 Lakh** (**Rupees One Lakh only**) s**hall be paid in the Karnataka Public Procurement Portal using any of the following modes and the Balance Amount shall be in the form of e-Bank Guarantee from any Nationalised / Scheduled Bank.** Scanned copy of the e-BG shall be uploaded along with technical bid.
  - Credit Card.
  - Direct Debit.
  - National Electronic Fund Transfer (NEFT).
  - Over the Counter (OTC).

NEFT Payment Procedure

If a Tenderer chooses to make Payment of EMD / Tender Processing Fee using Reserve Bank of India's (RBI) National Electronic Fund Transfer (NEFT) System, the Tenderer will need to log into Karnataka Public Procurement portal System, access the Tender for which Bid is being created and then select the NEFT Option under the Payment Section and print the Challan shown in that Section. The Printed Challan will have the Unique Bid Reference Number, Account Details of Government of Karnataka and the Amount to be remitted. The Tenderer shall submit the Printed Challan to its Bank Branch (NEFT enabled) and request for an Account – to – Account Transfer, wherein the money will get transferred from the Tenderer's Bank Account to GOK's Bank Account. The Tenderer shall ensure that NEFT Transfer Instructions are executed and the Funds are wired to the Government of Karnataka's Principal Account before the Last Date for Bid Submission and preferably 24 hours before the Last Date for Bid Submission. If the Tenderer's Bank transfers / wires the money after the Last Date for Bid Submission, the Tenderer's Bid will be liable for rejection. Upon executing the Transfer, the Tenderer's Bank will provide a Reference Number generated by NEFT Software as Confirmation of Transfer, which has to be input by the Tenderer in the Payment Section of its Bid as Payment Confirmation before the Bid is submitted i.e. as a pre requisite for Bid Submission. The Account Number from which the Funds were transferred shall be input in the Karnataka Public Procurement Portal System as part of its Bid also.

OTC Payment Procedure

If a Tenderer chooses to make Payment of EMD / Tender Processing Fees Over The Counter (OTC) in any of the designated ICICI Bank Branches listed in the Karnataka Public Procurement Portal Website (http//**kppp.karnataka.gov.in/kppp**), the Tenderer will need to log into Karnataka Public Procurement Portal System, access the Tender for which Bid is being created and then select the OTC Option under the Payment Section and print the Challan shown in that Section. The Printed Challan will have the Unique Bid Reference Number and the Amount to be remitted along with the Challan. The Tenderer can choose to make the Payment either in the form of Cash or in the form of Demand Draft. Cheque Payments will not be accepted. The Tenderer is requested to specifically inform the Bank Officer to input the Unique Bid Reference Number printed in the Challan in the Banking

Software. Upon successful Receipt of the Payment, the Bank will provide a 16 Digit Reference Number acknowledging the Receipt of Payment. This 16 Digit Reference Number has to be input by the Tenderer in the Payment Section of its Bid as Payment Confirmation before the Bid is submitted i.e. as a pre requisite for Bid Submission.

- EMD Amount shall be submitted by the Tenderer taking into account of the following Conditions.

  a. EMD for Rs. 1.00 Lakh shall be accepted only in the form of Electronic Cash (and not through Demand Draft or Bank Guarantee) and will be maintained in the Government's Central Pooling Account at ICICI Bank until the Work is awarded and EMD for the Balance Amount shall be in the Form of e- Bank Guarantee from any Nationalised / Scheduled Bank valid for a period of not less than Ninety (90) days after the date of tender submission as specified in Clause 12.

  b. The Tenderer's Bid will be evaluated only on Confirmation of Receipt of the Payment of EMD as indicated in Sub Clauses 13.1 and 13.2.

13.3 Any Tender not accompanied by an acceptable EMD and not secured as indicated in Sub Clauses 13.1 and 13.2 above shall be rejected by the Employer as Non Responsive.

13.4 The Earnest Money Deposit of the Unsuccessful Tenderers will be returned within 30 days of the end of the Tender Validity Period as specified in Sub Clause 12.1.

13.5 The Earnest Money Deposit of the Successful Tenderer will be discharged only when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The Earnest Money Deposit may be forfeited

a. If the Tenderer withdraws the Tender after Tender Opening during the Period of Tender Validity;
b. If the Tenderer does not accept the Correction of the Tender Price, pursuant to Clause 24; or
c. In the case of a successful Tenderer, if the Tenderer fails within the specified time limit to
   i. Sign the Agreement; or
   ii. Furnish the required Performance Security.

14. Format and Signing of Tender

14.1 The Electronic Tendering System for the Construction of Work comprises of two Stages (i) Technical Bid and (ii) Financial Bid. The Tenderers are required to submit the Tender Documents in two stages electronically.

14.2 The Tender shall contain no Alterations or Additions, except those to comply with Instructions issued by the Employer that are duly incorporated.

14.3 Each Page uploaded shall be duly signed and sealed by the Tenderer or a Person or Persons duly authorised to sign on behalf of the Tenderer. Such Authorisation shall be indicated by a Written Power – of – Attorney accompanying the Tender. The Corrections, if any, shall be made by striking of and shall be initialed with date.

D. Submission of Tenders

15. Sealing and Marking of Tenders

15.1 The Tenderer shall access Tender Documents, fill them and submit the Completed Tender Document as stated in Clause 10 through Website of Karnataka Public Procurement Portal

itself (http://kppp.karnataka.gov.in/kppp). The Signed, Sealed and Scanned Copy of all the Documents as stated in Clause 7 shall be attached to the e – Tender Document, failing which the Bid will not be considered. It is the Responsibility of the Tenderer to submit all the Documents pertaining to Eligibility Criteria / Qualification Information with due diligence. All the Pages of the Document shall be serially numbered with an Index for ready reference.

15.2 No Physical Documents shall be considered. However, all the participating Tenderers shall produce the Hard Copy of the Scanned Documents uploaded in the Portal only at the Time of Opening of Technical Bids of the Tenders to the Executive Engineer (RI Yelahanka Division). Further, all the participating Tenderers shall produce all the Original Documents uploaded in the Portal only for Verification whenever asked by the Employer.

16. Deadline for Submission of the Tenders

16.1 Tenders must be received by the Employer at the Website Address specified above no later than **27.03.2025 upto 16.00 Hrs.**

16.2 The Employer may extend the Deadline for Submission of Tenders by issuing an Amendment in accordance with Clause 9, in which case all Rights and Obligations of the Employer and the Tenderers previously subject to the Original Deadline will then be subject to the New Deadline.

17. Late Tenders

17.1 Any Tenderer trying to submit the Tender after Deadline will not be accepted in the Karnataka Public Procurement Portal.

18. Modification and Withdrawal of Tenders

18.1 Tenderers may modify Contents of Technical Bid or Financial Bid before the Deadline prescribed in Clause 16.

18.2 Tenderers may withdraw their Tenders by canceling his Tender on the Website only before the Deadline prescribed in Clause 16.

18.3 No Tender may be modified and withdrawn after the Deadline for Submission of Tenders.

18.4 Withdrawal or Modification of a Tender between the Deadline for Submission of Tenders and the Expiration of the Original Period of Tender Validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the Earnest Money Deposit pursuant to Clause 13.

18.5 Tenderers may only offer Discounts to, or otherwise modify the Prices of their Tenders by submitting Tender Modifications in accordance with this Clause, or including in the Original Tender Submission.

E. Tender Opening and Evaluation

19. Opening of Technical Bid of all Tenders and Evaluation to determine Qualified Tenderers

19.1 The Employer will open the Technical Bids of all the Tenderers received in the Karnataka Public Procurement Portal in the Presence of the Tenderers or their Representatives who choose to attend at **16.30 Hrs on 28.03.2025** in the Office of the Executive Engineer (RI-Yelahanka Division). In the event of the Specified Date of Tender Opening being declared a Holiday for the Employer, the Tenders will be opened at the Appointed Time and Location on the next Working Day.

19.2 The Tenderers' Names, the Presence or Absence of Earnest Money Deposit (Amount, Format and Validity), the Submission of Qualification Information and such Other Information as the Employer may consider Appropriate will be announced by the Employer at the Opening.

19.3 The Employer shall prepare Minutes of the Tender Opening, including the Information Disclosed to those present in accordance with Sub Clause 19.2.

19.4 The Employer will evaluate and determine whether each Tender (a) meets the Eligibility Criteria defined in ITT Clause 2; (b) is accompanied by the required Earnest Money Deposit as per Stipulations in ITT Clause and (c) meets the Minimum Qualification Criteria stipulated in ITT Clause 3. The Employer will draw out a List of Qualified Tenderers.

20. Opening of Financial Bid of Qualified Tenderers and Evaluation

20.1 The Employer will inform all the Qualified Tenderers the Time, Date and Venue fixed for the Opening of the Financial Bid received in the Karnataka Public Procurement Portal containing the Priced Tenders. The Employer will open the Financial Bids of the Qualified Tenderers only at the Appointed Time and Date in the presence of the Tenderers or their Representatives who choose to attend. In the event of the Specified Date of Financial Bid Opening being declared a Holiday for the Employer, the Financial Bids will be opened at the Appointed Time and Location on the Next Working Day.

20.2 The Tenderers' Names, the Tender Prices, the Total Amount of Tender, any Discounts, and such other Details as the Employer may consider Appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender Opening.

20.3 The Employer shall prepare Minutes of the Financial Bid Opening, including the Information Disclosed to those present in accordance with Sub Clause 20.2.

21. Process to be Confidential

21.1 Information relating to the Examination, Clarification, Evaluation and Comparison of Tenders and Recommendations for the Award of a Contract shall not be disclosed to Tenderers or any other Persons not officially concerned with such Process until the Award to the Successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's Processing of Tenders or Award Decisions may result in the Rejection of his Tender.

22. Clarification of Tenders

22.1 To assist in the Examination, Evaluation and Comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for Clarification of his Tender, including Breakdowns of Unit Rates. The Request for Clarification and the Response shall be in writing or by cable, but no change in the Price or Substance of the Tender shall be sought, offered, or permitted except as required to confirm the Correction of Arithmetic Errors discovered by the Employer in the Evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to Sub Clause 22.1, no Tenderer shall contact the Employer on any Matter relating to its Tender from the Time of the Tender Opening to the Time the Contract is awarded. If the Tenderer wishes to bring Additional Information to the Notice of the Employer, it should do so in Writing.

22.3 Any Effort by the Tenderer to influence the Employer in the Employer's Tender Evaluation, Tender Comparison or Contract Award Decisions may result in the rejection of the Tenderers' Tender.

23. Examination of Tenders and Determination of Responsiveness

23.1 Prior to the Detailed Evaluation of Tenders, the Employer will determine whether each Tender (a) has been properly signed; and (b) is Substantially Responsive to the Requirements of the Tender Documents.

23.2 A Substantially Responsive Tender is one which conforms to all the Terms, Conditions and Specifications of the Tender Documents, without Material Deviation or Reservation. A Material Deviation or Reservation is one (a) which affects in any substantial way the Scope, Quality or Performance of the Works; (b) which limits in any substantial way, Inconsistent with the Tender Documents, the Employer's Rights or the Tenderer's Obligations under the Contract; or (c) whose Rectification would affect unfairly the Competitive Position of other Tenderers presenting Substantially Responsive Tenders.

23.3 If a Tender is not Substantially Responsive, it will be rejected by the Employer and may not subsequently be made Responsive by Correction or Withdrawal of the Non Conforming Deviation or Reservation.

24. Correction of Errors

24.1 Tenders determined to be Substantially Responsive will be checked by the Employer for any Arithmetic Errors. Errors will be corrected by the Employer as follows.
(a) where there is a Discrepancy between the Rates in Figures and in Words, the Lower of the two will govern; and (b) where there is a Discrepancy between the Unit Rate and the Line Item Total resulting from multiplying the Unit Rate by the Quantity, the Unit Rate as quoted will govern.

24.2 The Amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the Correction of Errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the Corrected Amount, the Tender will be rejected and the Earnest Money Deposit may be forfeited in accordance with Sub Clause 13.7 (b).

25. Evaluation and Comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially Responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the Evaluated Tender Price by adjusting the Tender Price as follows.

a. making any Correction for Errors pursuant to Clause 24; and

b. making appropriate Adjustments to reflect Discounts or other Price Modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the Right to accept or reject any Variation, Deviation or Alternative Offer. Variations, Deviations and Alternative Offers and other Factors, which are in excess of the Requirements of the Tender Documents or otherwise result in Unsolicited Benefits for the Employer, shall not be taken into account in Tender Evaluation.

25.4 The Estimated Effect of the Price Adjustment Conditions under Clause 40 of the Conditions of Contract, during the Implementation of the Contract, will not be taken into account in Tender Evaluation.

25.5 If the Tender of the Successful Tenderer is seriously Unbalanced in relation to the Employer's Estimate of the Cost of the Work to be performed under the Contract, the Employer may require the Tenderer to produce Detailed Price Analyses for any or all Items of the Bill of Quantities, to demonstrate the Internal Consistency of those Prices with the Construction Methods and Schedule Proposed. After Evaluation of the Price Analyses, the Employer may require that the Amount of the Performance Security set forth in Clause 29 be increased at the expense of the Successful Tenderer to a level sufficient to protect the Employer against Financial Loss in the event of Default of the Successful Tenderer under the Contract.

F. Award of Contract

26. Award Criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be Substantially Responsive to the Tender Documents and who has offered the Lowest Evaluated Tender Price, provided that such Tenderer has been determined to be (a) Eligible in accordance with the Provisions of Clause 2, and (b) Qualified in accordance with the Provisions of Clause 3.

27. Employer's Right to accept any Tender and to reject Any or All Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the Right to accept or reject any Tender, and to cancel the Tender Process and reject all Tenders, at any time Prior to the Award of Contract, without thereby incurring any Liability to the Affected Tenderer or Tenderers or any Obligation to inform the Affected Tenderer or Tenderers of the Grounds for the Employer's Action.

28. Notification of Award and Signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the Award by the Employer prior to Expiration of the Tender Validity Period by Cable, Telex, e – mail or Facsimile confirmed by Registered Letter. This Letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the Sum that the Employer will pay the Contractor in consideration of the Execution, Completion and Maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The Notification of Award will constitute the Formation of the Contract, subject only to the furnishing of Security Deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all Agreements between the Employer and the Successful Tenderer. It will be kept ready for Signature of the Successful Tenderer in the Office of Employer within 20 days following the Notification of Award along with the Letter of Acceptance. Within 7 days of Receipt, the Successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the Successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security Deposit

29.1 Within 20 days of Receipt of the Letter of Acceptance, the Successful Tenderer shall deliver to the Employer a Security Deposit in any of the forms given below for an Amount equivalent to 5% of the Contract Price plus Additional Security for Unbalanced Tenders in accordance with Sub Clause 25.5 of ITT and Clause 43 of the Conditions of Contract.

- Banker’s Cheque / Demand Draft / Pay Order in favor of “The Chief Commissioner, BBMP, Bengaluru” payable at Bengaluru or
- A e-Bank Guarantee.
- Specified Small Saving Instruments pledged to “The Chief Commissioner, BBMP, Bengaluru”.

29.2 If the Security Deposit is provided by the Successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized / Scheduled Bank.

29.3 The Security Deposit if furnished in Demand Draft can, if requested, be converted to Interest Bearing Securities at the Cost of the Contractor.

29.4 Failure of the Successful Tenderer to comply with the Requirements of Sub Clause 29.1 shall constitute Sufficient Grounds for Cancellation of the Award and Forfeiture of the Earnest Money Deposit.

30. Advance Payment and Security

30.1 The Employer will provide an Advance Payment on the Contract Price as stipulated in the Conditions of Contract, subject to the Maximum Amount as stated in the Contract Data.

31. Corrupt or Fraudulent Practices

31.1 The Employer requires that the Tenderers / Suppliers / Contractors, observe the Highest Standard of Ethics during the Procurement and Execution of such Contracts. In pursuance of this Policy, Employer

a. Will reject a Proposal for Award if it determines that the Tenderer recommended for Award has engaged in Corrupt or Fraudulent Practices in competing for the Contract in Question.

b. Will declare a Firm Ineligible, either Indefinitely or for a Stated Period of Time, to be awarded an Employer's Contract if it at any time determines that the Firm has engaged in Corrupt or Fraudulent Practices in competing for, or in executing, a GOK contract.

31.2 Furthermore, Tenderers shall be aware of the Provision stated in Sub Clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Qualification and Tender Capacity of the Tenderer as provided for in Clause 3 of the Instructions to Tenderers.

1.1 Constitution or Legal Status of Tenderer [Attach Copy]

Place of Registration [Attach Copy]

Principal Place of Business

1.2 Details of Individual (s) who will serve as the point of Contact / Communication for the Tenderer:

a. Name
b. Designation
c. Company
d. Address
e. Telephone / Mobile Number
f. email Address:

1.3 Particulars of the Authorised Signatory of the Tenderer

a. Name
b. Designation
c. Address
d. Telephone / Mobile Number

1.4 Total Value of Civil Engineering Construction Works executed and Payments received in the last five years (in Rs. Lakh)

[Attach Certificate from Chartered Accountant]

2019 – 20 _____
2020 – 21 _____
2021 – 22 _____
2022 – 23 _____
2023 – 24 _____

1.5 Work performed as Prime Contractor (in the same name) on Works of Similar Nature over during the Five Years specified in 1.4 above.

Project Name	Name of Employer	Description of Work	Contract Number	Value of Contract in Rs. Lakh	Date of Issue of Work Order	Specified Period of Completion	Actual Date of Completion	Remarks explaining Reasons for Delay in Completion of Work
1	2	3	4	5	6	7	8	9

1.6 Quantities of Work Executed as Prime Contractor (in the same name) during the Last Five

Years specified in 1.4 above.

Year	Name of Work	Name of Employer	Quantity of Work Performed[1]		Remarks (Indicate Contract Reference)
			Pavement Quality Concrete / White Topping (cum)	Bituminous Macadam (cum)	
2019 – 20					
2020 – 21					
2021 – 22					
2022 – 23					
2023 – 24					

[1] Items of Work for which Data is requested should tally with that specified in ITT Clause 3

1.7 Information on Works for which Tenders have been submitted and Works which are yet to be Completed as on the Date of this Tender.

(A) Existing Commitments and On Going Works

Description of Work	Place and State	Contract No. and Date	Name and Address of the Employer	Value of Contract (Rs. Lakh)	Stipulated Period of Completion	Value of Works[2] remaining to be Completed (Rs. Lakh)	Anticipated Date of Completion
1	2	3	4	5	6	7	8

[2] Attach Certificates from Employer in charge.

(B) Works for which Tenders already submitted

Description of Work	Place and State	Name and Address of the Employer	Estimated Value of Works (Rs. Lakh)	Stipulated Period of Completion	Date when Decision is Expected	Remarks, if any
1	2	3	4	5	6	7

1.8. The following Items of Equipment are considered Essential for successfully carrying out the Works. The Tenderer should furnish all the information listed below.

Item of Equipment	Requirement[3]			Owned and Available		Remarks
	No.	Capacity	Owned	No. / Capacity	Age / Condition	

[3] The Item of Equipment, Required Number and Capacity should match with those specified in ITT Clause 3.3 (a).

1.9 Reports on the Financial Standing of the Tenderer, such as Profit and Loss Statements and Auditor's Reports for the last Five Years.

1.10 Qualification and Experience of the Key Technical and Management Personnel in Permanent Employment with the Tenderer and those that are proposed to be Deployed on this Contract, if awarded.

1.11 Name, Address, Telephone, Telex and Fax Numbers of the Tenderers' Bankers who may provide References if contacted by the Employer.

1.12 Evidence of Access to Financial Resources to meet the Qualification Requirement specified in ITT Clause 3.3 (b): Cash in Hand, Letter of Credit, etc. List them below and attach Certificate from the Banker in the suggested Format as under.

BANKER'S CERTIFICATE

ON BANKS LETTER HEAD

FORMAT OF BANKER'S CERTIFICATE/LINE OF CREDIT LETTER [TO BE ISSUED IN THE LETTER HEAD OF THE BANK BRANCH]

Reference Number (SL. No) Place:

Date:

To:

[Name & Address of the beneficiary]

This is to certify that Mr./M/s..----------[name of the customer] having his/ their registered/ administrative office at---------- is a customer of our Bank and is/are engaged in---------- [nature of activity]. If the said customer is allotted / awarded with----------[brief details of works], we may extend credit facilities up to Rs----------lakh, to meet his/ their working capital requirement towards the execution of the said work order as per the Loan Policy of the Bank.

This certificate is valid up to three months from date of issue, that is up to dd/mm/yyyy.

Yours faithfully,

BRANCH MANAGER.

Note: No Change in the above Bank Certificate Format is acceptable.

1.13 Proposals for Subcontracting Components of Works amounting to more than 20% of the Contract Price.

Item of Work	Value of Sub Contract	Identified Sub Contractor (Name and Address)	Experience of Similar Work[4]

[4] Attach Certificate from the respective Employers.

b. Information on Litigations in which the Tenderer is involved.

Other Party (ies)	Employer	Details of Dispute	Amount Involved	Remarks showing Present Status

c. The Proposed Methodology and Program of Construction backed with Equipment Planning and Deployment, duly supported with Broad Calculations and Quality Control Procedures proposed to be adopted, justifying their Capability of Execution and Completion of the Work as per Technical Specifications within the Stipulated Period of Completion as per Milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works: **Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants Package – 7**

To

Executive Engineer
RI-Yelahanka Division
Bruhat Bengaluru Mahanagara Palike
3rd Floor, Mini Vidhana Soudha
Yelahanka, Bengaluru – 560 064

Dear Sir

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of _____ [in figures] (_____) [in letters].[5]

This Tender and your Written Acceptance of it shall constitute a Binding Contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the Laws against Fraud and Corruption in Force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender Validity and Earnest Money Deposit required by the Tender Documents.

We attach herewith our Current Income Tax Clearance Certificate.

Yours faithfully

Authorized Signature:

Name and Title of Signatory:

Name of Tenderer:

Address:

[5] To be filled in by the Tenderer, together with his Particulars and Date of Submission at the Bottom of the Form of Tender

Letter of Acceptance

(Letter Head Paper of the Employer)

Date:

To: [Name and Address of the Contractor]

Dear Sir

This is to notify you that your Tender dated _____ for execution of the **Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants Package – 7, No. EE/RI-YNK/TEND/07/2024–25, Date: 12.03.2025 for** the Contract Price of Rupees (_____) [amount in both Words and Figures], as corrected and modified in Accordance with the Instructions to Tenderer
s is hereby accepted by our Agency.

You are hereby requested to furnish Security Deposit, in the form detailed in Clause No. 25.5 of ITT for an amount of Rs. _____ within 15 days of the Receipt of this Letter of Acceptance valid upto 30 days from the Date of Expiry of Defects Liability Period i.e. upto _____ and sign the Contract, failing which action as stated in Clause No. 29.4 of ITT will be taken.

Yours faithfully

Authorized Signature

Name and Title of Signatory

Name of Agency

Issue of Notice to Proceed with the Work

(Letter Head of the Employer)

Date:

To: [Name and Address of the Contractor]

Dear Sir

Pursuant to your furnishing the requisite Security Deposit as stipulated in ITT Clause 29.1 and signing of the Contract Agreement for the **Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants Package – 7** for a Tender Price of Rs. _____. You are hereby instructed to proceed with the execution of the said works in accordance with the Contract Documents.

Yours faithfully

(Signature, Name and Title of Signatory authorized to sign on behalf of Employer)

Agreement Form

Agreement

This Agreement, made on the _____ day of _____ 20___, between _____ [Name and Address of Employer] (hereinafter called "the Employer") of the one part and _____ [Name and Address of Contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor executes **Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants Package – 7, No. EE/RI-YNK/TEND/07/2024–25, Date: 12.03.2025** (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a Contract Price of Rupees _____.

NOW THIS AGREEMENT WITNESSETH as follows.

1. In this Agreement, Words and Expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the Payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any Defects therein in conformity in all aspects with the Provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the Execution and Completion of the Works and Remedying the Defects wherein the Contract Price or such other Sum as may become payable under the Provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following Documents shall be deemed to form and be read and construed as part of this Agreement, viz.
    i. Letter of Acceptance, Notice to proceed with the Works.
    ii. Contractor's Tender.
    iii. Contract Data.
    iv. Conditions of Contract (including Special Conditions of Contract).
    v. Specifications.
    vi. Drawings.
    vii. Bill of Quantities.
    viii. Minutes of Pre Tender Meeting and
    ix. Any other Document listed in the Contract Data as forming part of the Contract.

In witness whereof the Parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____
was hereunto affixed in the presence of
Signed, Sealed and Delivered by the said _____

in the Presence of

Binding Signature of Employer _____

Binding Signature of Contractor _____

SECTION 5: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their Defined Meanings. Bold Letters are used to identify Defined Terms.

Bill of Quantities means the Priced and Completed Bill of Quantities forming part of the Tender.

Compensation Events are those defined in Clause 38 hereunder.

The **Completion Date** is the Date of Completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.

The **Contract** is the Contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the Documents listed in Clause 2.2 below.

The **Contract Data** defines the Documents and other Information, which comprise the Contract.

The **Contractor** is a Person or Corporate Body whose Tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the Completed Tender Document submitted by the Contractor to the Employer.

The **Contract Price** is the Price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Provisions of the Contract.

Days are Calendar Days; **Months** are Calendar Months.

A **Defect** is any Part of the Works not completed in accordance with the Contract.

The **Defects Liability Period** is the Period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the Party who will employ the Contractor to carry out the Works.

Equipment is the Contractor's Machinery and Vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the Date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an Extension of Time.

Materials are all Supplies, including Consumables, used by the Contractor for incorporation in the Works.

Plant is any Integral Part of the Works which is to have a Mechanical, Electrical, Electronic or Chemical or Biological Function.

The **Site** is the Area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any Modification or Addition made or approved by the Employer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence Execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a Person or Corporate Body who has a Contract with the Contractor to

carry out a Part of the Work in the Contract which includes Work on the Site.
A **Variation** is an Instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, Singular also means Plural, Male also means Female or Neuter, and the other way around. Headings have no Significance. Words have their Normal Meaning under the Language of the Contract unless specifically defined. The Employer will provide Instructions clarifying Queries about the Conditions of Contract.

2.2 The Documents forming the Contract shall be interpreted in the following Order of Priority.

i. Agreement.
ii. Letter of Acceptance, Notice to proceed with the Works.
iii. Contractor's Tender.
iv. Contract Data.
v. Conditions of Contract (including Special Conditions of Contract).
vi. Specifications.
vii. Drawings.
viii. Bill of Quantities.
ix. Minutes of Pre Tender Meeting and
x. Any other Document listed in the Contract Data as forming Part of the Contract.

3. Law Governing Contract

3.1 The Law Governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's Decisions

4.1 Except where otherwise specifically stated, the Employer will decide Contractual Matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his Duties and Responsibilities to other people after notifying the Contractor and may cancel any Delegation after notifying the Contractor.

6. Communications

6.1 Communications between Parties which are referred to in the Conditions are effective only when in writing. A Notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Sub-contracting

Deleted.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other Contractors, Public Authorities, Utilities and the Employer.

9. Personnel

9.1 The Contractor shall employ the Technical Personnel (of Number and Qualifications) as may be stipulated by the BBMP from time to time during the Execution of the Work. The Technical Staff so employed shall be available at Site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's Staff or his Work Force stating the Reasons, the Contractor shall ensure that the Person leaves the Site within Seven Days and has no further Connection with the work in the Contract.

10. Employer's and Contractor's Risks

10.1 The Employer carries the Risks which this Contract states are Employer's Risks, and the Contractor carries the Risks which this Contract states are Contractor's Risks.

11. Employer's Risks

11.1 The Employer is responsible for the Excepted Risks, which are

a. Rebellion, Riot Commotion or Disorder unless solely restricted to Employees of the Contractor arising from the conduct of the Works; or
b. A Cause due solely to the Design of the Works, other than the Contractor's Design; or
c. Any Operation of the Forces of Nature (in so far as it occurs on the Site) which an Experienced Contractor
    i. Could not have reasonably foreseen; or
    ii. Could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following Measures.
        - Prevent Loss or Damage to Physical Property from occurring by taking Appropriate Measures or
        - Insure against such Loss or Damage.

12. Contractor's Risks

12.1 All Risks of Loss or Damage to Physical Property and of Personal Injury and Death, which arise during and in consequence of the Performance of the Contract other than the Excepted Risks, are the Responsibility of the Contractor.

13. Insurance

13.1 The Contractor shall prior to commence the works, effect and thereafter maintain Insurances, in the Joint Names of the Employer and the Contractor (cover from the First Working Day after the Start Date to the End of Defects Liability Period) in the Amounts stated in the Contract Data:

a. For Loss or Damage to the Works, Plants and Materials and the Contractor's Equipment;
b. For Liability of both Parties for Loss, Damage, Death and Injury to Third Parties or their Property arising out of the Contractor's Performance of the Contract including the

Contractor's Liability for Damage to the Employer's Property other than the Works and

c. For Liability of both Parties and of any Employer's Representative for Death and Injury to the Contractor's Personnel except to the Extent that Liability arises from the Negligence of the Employer, any Employer's Representative or their Employees.

13.2 Policies and Certificates for Insurance shall be delivered by the Contractor to the Employer for his Approval before the Start Date. All such Insurances shall provide for Compensation to be payable to rectify the Loss or Damage incurred. All Payments received from Insurers relating to Loss or Damage shall be held jointly by the Parties and used for the Repair of the Loss or Damage or as Compensation for Loss or Damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the Insurances referred to in the previous Sub Clauses or fails to provide Satisfactory Evidence, Policies or Receipts, the Employer may without Prejudice to any other Right or Remedy, effect Insurance for the Cover relevant to such Default and pay the Premiums due and recover the same as a Deduction from any other Monies due to the Contractor. If no Payment is due, the Payment of the Premiums shall be a Debt Due.

13.4 Alterations to the Terms of Insurance shall not be made without the Approval of the Employer.

13.5 Both Parties shall comply with any Conditions of the Insurance Policies.

14. Site Investigation Reports

14.1 The Contractor, in preparing the Tender, shall rely on any Site Investigation Reports referred to in the Contract Data, supplemented by any Information available to the Tenderer.

15. Queries about the Contract Data

15.1 The Employer will clarify Queries on the Contract Data.

16. Contractor to construct the Works

16.1 The Contractor shall construct the Works in accordance with the Specifications and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence Execution of the Works on the Start Date and shall carry out the Works in accordance with the Program submitted by the Contractor, as updated with the Approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer

18.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the Design of Temporary Works.

18.3 The Employer's approval shall not alter the Contractor's Responsibility for Design of the Temporary Works.

18.4 The Contractor shall obtain Approval of Third Parties for the Design of the Temporary Works where required.

18.5 All Drawings prepared by the Contractor for the Execution of the Temporary or Permanent Works, are subject to prior Approval by the Employer before their use.

19. Safety

19.1 The Contractor shall be Responsible for the Safety of all Activities on the Site.

20. Discoveries

20.1 Anything of Historical or other Interest or of Significant Value unexpectedly Discovered on the Site is the Property of the Employer. The Contractor is to notify the Employer of such Discoveries and carry out the Employer's Instructions for dealing with them.

21. Possession of the Site

21.1 The Employer shall give Possession of all parts of the Site to the Contractor. If Possession of a Part is not given by the Date stated in the Contract Data, the Employer is deemed to have delayed the Start of the Relevant Activities and this will be Compensation Event.

22. Access to the Site

22.1 The Contractor shall allow the Employer and any Person authorized by the Employer Access to the Site, to any Place where Work in connection with the Contract is being carried out or is intended to be carried out and to any Place where Materials or Plant are being manufactured / fabricated / assembled for the Works.

23. Instructions

23.1 The Contractor shall carry out all Instructions of the Employer which comply with the Applicable Laws where the Site is located.

24. Procedure for Resolution of Disputes-Deleted

B. Time Control

25. Program

25.1 Within the Time stated in the Contract Data, the Contractor shall submit to the Employer for Approval a Program showing the General Methods, Arrangements, Order and Timing for all the Activities in the Works.

25.2 The Employer's Approval of the Program shall not alter the Contractor's Obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A Revised Program is to show the Effect of Variations and Compensation Events.

26. Extension of the Intended Completion Date

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 Days of the Contractor asking the Employer for a Decision upon the Effect of a Compensation Event or Variation and submitting Full Supporting Information.

27. Delays ordered by the Employer

27.1 The Employer may instruct the Contractor to delay the Start or Progress of any Activity within the Works.

28. Management Meetings

28.1 The Employer may require the Contractor to attend a Management Meeting. The Business of a Management Meeting shall be to review the Progress Achieved and the Plans for Remaining Work.

28.2 The Responsibility of the Parties for Actions to be taken is to be decided by the Employer either at the Management Meeting or after the Management Meeting and stated in writing to be distributed to all who attended the Meeting.

C. Quality Control

29. Identifying Defects

29.1 The Employer shall check the Contractor's Work and notify the Contractor of any Defects that are found. Such Checking shall not affect the Contractor's Responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any Work that the Employer considers may have a Defect.

30. Tests

30.1 If the Employer instructs the Contractor to carry out a Test not Specified in the Specification to check whether any Work has a Defect and the Test shows that it does, the Contractor shall pay for the Test and any Samples. If there is no Defect the Test shall be a Compensation Event.

31. Correction of Defects

31.1 The Employer shall give Notice to the Contractor of any Defects before the End of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time Notice of a Defect is given, the Contractor shall correct the Notified Defect within the Length of Time specified by the Employer's Notice.

32. Uncorrected Defects

32.1 If the Contractor has not corrected a Defect within the Time Specified in the Employer's Notice, the Employer will assess the Cost of having the Defect corrected, and the Contractor will pay this Amount.

D. Cost Control

33. Bill of Quantities (BOQ)

33.1 The BOQ shall contain Items for the Construction, Installation, Testing and Commissioning Work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the Quantity of the Work done at the Rate in the BOQ for each Item.

34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the Progress of the Work by him.

a. Increase or decrease of any Item of Work included in the Bill of Quantities (BOQ).
b. Omit any Item of Work.
c. Change the Character or Quality or Kind of any Item of Work.
d. Change the Levels, Lines, Positions, Locations and Dimensions of any Part of the Work.
e. Execute Additional Items of Work of any kind necessary for the Completion of the Works and
f. Change in any Specified Sequence, Methods or Timing of Construction of any Part of the Work.

34.2 The Contractor shall be bound to carry out the Work in accordance with any Instructions in this Connection, which may be given to him in Writing by the Employer and such Alteration shall not vitiate or invalidate the Contract.

34.3 Variations shall not be made by the Contractor without an Order in Writing by the Employer, provided that no Order in Writing shall be required for Increase or Decrease in the Quantity of an Item appearing in the BOQ so long as the Work executed conforms to the Approved Drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and if no such confirmation is received within 15 days of request, it shall be deemed to be an order in writing by the Employer.

35. Payments for Variations

35.1 Payment for Increase in the Quantities of an Item in the BOQ upto 25% of that provided in the Bill of Quantities shall be made at the Rates quoted by the Contractor.

35.2 For Quantities in Excess of 125% of the Tendered Quantity of an Item as given in the BOQ, the Contractor shall be paid at the Rate entered in or derived from the Schedule of Rates (applicable for the Area of the Work and Current at the Time of Award of Contract) plus or minus the Overall Percentage of the Original Tendered Rates over the Current Schedule of Rates prevalent at the Time of Award of Contract.

35.3 If there is no Rate for the Additional, Substituted or Altered Item of the Work in the BOQ, Efforts would be made to derive the Rates from those given in the BOQ or the Schedule of Rates (Applicable for the Area of the Work and Current at the Time of Award of Contract) and if found Feasible, the Payment would be made at the Derived Rate for the Item plus or minus the Overall Percentage of the Original Tendered Rates over the Current Schedule of Rates prevalent at the Time of Award of Contract.

35.4 If the Rates for Additional, Substituted or Altered Item of Work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his Quotation for the Items supported by Analysis of the Rate or Rates claimed, within 7 days.

35.5 If the Contractor's Quotation is determined Unreasonable, the Employer may order the Variation and make a Change to the Contract Price which shall be based on Employer's own Forecast of the Effects of the Variation on the Contractor's Costs.

35.6 If the Employer decides that the Urgency of Varying the Work would prevent a Quotation being given and considered without Delaying the Work, no Quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no Circumstances, the Contractor shall suspend the Work on the Plea of Non Settlement of Rates for Items falling under this Clause.

36. Submission of Bills for Payment

36.1 The Contractor shall submit to the Employer Monthly Bills of the Value of the Work completed less the Cumulative Amount Paid previously.

36.2 The Employer shall check the Contractor's Bill and determine the Value of the Work executed which shall comprise of (i) Value of the Quantities of the Items in the BOQ Completed and (ii) Valuation of Variations and Compensation Events.

36.3 The Employer may exclude any Item paid in a Previous Bill or reduce the Proportion of any Item previously paid in the Light of Later Information.

37. Payments

37.1 Payments shall be adjusted for Deductions for Advance Payments, other than Recoveries in Terms of the Contract and Taxes at Source as applicable under the Law. The Employer shall pay the Contractor within 60 Days of Submission of the Bill. The Contractor shall be liable to pay Liquidated Damages for Shortfall in Progress. For Progress beyond the Agreed Programme, Payment is subject to Availability of the Grants.

37.2 Items of the Works for which no Rate or Price has been entered in, will not be paid for by the Employer and shall be deemed covered by other Rates and Prices in the Contract.

38. Compensation Events

38.1 The following are Compensation Events unless they are caused by the Contractor.

a. The Employer does not give Access to a Part of the Site by the Site Possession Date stated in the Contract Data.
b. The Employer orders a Delay or does not issue Drawings, Specifications or Instructions Required for Execution of Works on time.
c. The Employer instructs the Contractor to uncover or to carry out Additional Tests upon Work which is then found to have no Defects.
d. The Employer gives an Instruction for dealing with an Unforeseen Condition, caused by the Employer, or Additional Work required for Safety or other Reasons.
e. The Effect on the Contractor of any of the Employer's Risks.
f. The Employer unreasonably delays issuing a Certificate of Completion.
g. Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause Additional Cost or would prevent the Work being completed before the Intended Completion Date, the Contract Price shall be increased and / or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as Information demonstrating the Effect of each Compensation Event upon the Contractor's Forecast Cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's Forecast is deemed Unreasonable, the Employer shall adjust the Contract Price based on Employer's own Forecast. The Employer will assume that the Contractor will react competently and promptly to the Event.

38.4 The Contractor shall not be entitled to Compensation to the Extent that the Employer's Interests are adversely affected by the Contractor not having given Early Warning or not having cooperated with the Employer.

39. Tax

39.1 The Rates quoted by the Contractor shall be deemed to be inclusive of the Sales and Other Taxes that the Contractor will have to pay for the Performance of this Contract. The Employer will perform such Duties in regard to the Deduction of such Taxes at Source as per Applicable Law.

40. Price Adjustment :-

As per Government Order No. FD 3 PCL 2008 dated 21.11.2008, for all works costing more than Rs.50.00 lakhs and if the period of execution is more than 12 months, the price adjustment will be calculated as prescribed in Annexure to G.O. No. FD 59 PRO Cell /2004 dated 26.11.2004. And if the period is more than 6 months but less than or equal to 12 months for works costing more than Rs.50.00 lakhs, star rates in respect of specified materials (cement, steel and bitumen) only shall be payable to the contractor based on the all India average wholesale price Index for the said materials. The star rates adjustment shall be as per the increases or decrease in the index as applicable to the said materials between the last date for receiving the Bids and the date of execution as per the approved

programme of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement.

41. Liquidated Damages

41.1 The Contractor shall pay Liquidated Damages to the Employer at the Rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date for the whole of the Works as stated in the Contract Data. The Total Amount of Liquidated Damages shall not exceed the Amount defined in the Contract Data. The Employer may deduct Liquidated Damages from Payments due to the Contractor. Payment of Liquidated Damages does not affect the Contractor's Liabilities.

41.2 If the Intended Completion Date is extended after Liquidated Damages have been paid, the Employer shall correct any Overpayment of Liquidated Damages by the Contractor by adjusting the Next Payment of Bill.

42. Advance Payments

42.1 The Employer shall make Payment to the Contractor of the Amounts stated in the Contract Data by the Date stated in the Contract Data, against provision by the Contractor of an Unconditional Bank Guarantee in a Form acceptable to the Employer issued by a Nationalized / Scheduled Bank in Amounts equal to the Advance Payment. The Guarantee shall remain Effective until the Advance Payment has been repaid, but the Amount of the Guarantee shall be progressively reduced by the Amounts repaid by the Contractor. Interest will not be charged on the Advance Payment.

42.2 The Contractor is to use the Advance Payment only to pay for Mobilization Expenses required specifically for Execution of the Works. The Contractor shall demonstrate that Advance Payment has been used in this way by Supplying Copies of Invoices or other Documents to the Employer.

42.3 The Advance Payment shall be repaid by Deducting Proportionate Amounts from Payments otherwise due to the Contractor, following the Schedule of Completed Percentages of the Works on a Payment Basis. No account shall be taken of the Advance Payment or its Repayment in assessing Valuation of the Work done, Variations, Price Adjustments, Compensation Events or Liquidated Damages.

43. Securities

43.1 The Security Deposit (including Additional Security for Unbalanced Tenders) shall be provided to the Employer no later than the Date Specified in the Letter of Acceptance and shall be issued in an Amount and Form and Type of Instrument acceptable to the Employer. The Security Deposit shall be valid until a date 30 days from the Date of Expiry of Defects Liability Period and the Additional Security for Unbalanced Tenders shall be valid until a date 30 days from the Date of Issue of the Certificate of Completion.

44. Cost of Repairs

44.1 Loss or Damage to the Works or Materials to be incorporated in the Works between the Start Date and the End of the Defects Correction Periods shall be remedied by the Contractor at the Contractor's Cost if the Loss or Damage arises from the Contractor's Acts or Omissions.

E. Finishing the Contract

45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

46.1 The Employer shall take over the Site and the Works within seven days of issuing a Certificate of Completion.

47. Final Account

47.1 The Contractor shall supply to the Employer a Detailed Account of the Total Amount that the Contractor considers Payable under the Contract before the End of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any Final Payment that is due to the Contractor within 90 days of receiving the Contractor's Account if it is Correct and Complete. If it is not, the Employer shall issue within 90 days a Schedule that states the Scope of the Corrections or Additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the Amount Payable to the Contractor and make Payment within 60 days of receiving the Contractor's Revised Account.

48. As Built Drawings and / or Operating and Maintenance Manuals

48.1 If "As Built" Drawings and / or Operating and Maintenance Manuals are required, the Contractor shall supply them by the Dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the Dates stated in the Contract Data, or they do not receive the Employer's Approval, the Employer shall withhold the Amount stated in the Contract Data from Payments due to the Contractor.

49. Termination

49.1 The Employer may terminate the Contract if the other Party causes a Fundamental Breach of the Contract.

49.2 Fundamental Breaches of Contract include, but shall not be limited to the following.

a. The Contractor stops work for 45 days when No Stoppage of Work is shown on the

Current Program and the Stoppage has not been authorized by the Employer.

b. Deleted
c. The Contractor becomes Bankrupt or goes into Liquidation other than for a Reconstruction or Amalgamation.
d. Deleted
e. The Employer gives Notice that Failure to correct a Particular Defect is a Fundamental Breach of Contract and the Contractor fails to correct it within a Reasonable Period of Time determined by the Employer.
f. The Contractor does not maintain a Security which is required.
g. The Contractor has delayed the Completion of Works by the Number of Days for which the Maximum Amount of Liquidated Damages can be paid as defined in the Contract data; and
h. If the Contractor, in the judgment of the Employer has engaged in Corrupt or Fraudulent Practices in competing for or in the Executing the Contract.

For the purpose of this paragraph "**Corrupt Practice**" means the Offering, Giving, Receiving or Soliciting of any thing of Value to influence the Action of a Public Official in the Procurement Process or in Contract Execution. "**Fraudulent Practice**" means a Misrepresentation of Facts in order to influence a Procurement Process or the Execution of a Contract to the Detriment of the Borrower and includes Collusive Practice among Tenderers (prior to or after Tender Submission) designed to establish Tender Prices at Artificial Non Competitive Levels and to deprive the Borrower of the Benefits of Free and Open Competition.

49.3 When either Party to the Contract gives Notice of a Breach of Contract to the Employer for a Cause other than those Listed under Sub Clause 49.2 above, the Employer shall decide whether the Breach is Fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for Convenience.

49.5 If the Contract is terminated, the Contractor shall stop work immediately, make the Site Safe and Secure and leave the Site as soon as reasonably possible.

50. Payment upon Termination

50.1 If the Contract is terminated because of a Fundamental Breach of Contract by the Contractor, the Employer shall prepare Bill for the Value of the Work done Less Advance Payments received upto the Date of the Bill, Less other Recoveries Due in Terms of the Contract, Less Taxes Due to be deducted at Source as per Applicable Law and Less the Percentage to apply to the Work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the Total Amount due to the Employer exceeds any Payment due to the Contractor, the Difference shall be a Debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's Convenience or because of a Fundamental Breach of Contract by the Employer, the Employer shall prepare Bill for the Value of the Work done, the Reasonable Cost of Removal of Equipment, Repatriation of the Contractor's Personnel employed solely on the Works and the Contractor's Costs of protecting and securing the Works and Less Advance Payments received upto the Date of the Certificate, Less other Recoveries due in Terms of the Contract and Less Taxes due to be deducted at Source as per Applicable Law and make Payment accordingly.

51. Property

51.1 All Materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the Property of the Employer, if the Contract is terminated because of a Contractor's Default.

52. Release from Performance

52.1 If the Contract is frustrated by any Event entirely Outside the Control of either the Employer or the Contractor, the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site Safe and stop work as quickly as possible after receiving this Certificate and shall be paid for all Work carried out before receiving it and for any Work carried out afterwards to which Commitment was made.

F. Special Conditions of Contract

The following Special Conditions of Contract shall be read in conjunction with the General Conditions of Contract and Instructions to Tenderers as an Extension and not in Limitation of the Obligations of the Contract. In case of Discrepancy between these Special Conditions of Contract and the General Conditions of Contract, the decision of the Employer shall be final and binding on the Contractor.

1. Labour

The Contractor shall, unless otherwise provided in the Contract, make his own Arrangements for the Engagement of all Staff and Labour, Local or Other, and for their Payment, Housing, Feeding and Transport.

The Contractor shall, if required by the Employer, deliver to the Employer a Return in Detail, in such Form and at such Intervals as the Employer may prescribe, showing the Staff and the Numbers of the Several Classes of Labour from time to time employed by the Contractor on the Site and such other Information as the Employer may require.

2. Compliance with Labour Regulations

During Continuance of the Contract, the Contractor shall abide at all times by all existing Labour Enactments and Rules made there under, Regulations, Notifications and Bye Laws of the State or Central Government or Local Authority and any other Labour Law (including Rules), Regulations, Bye Laws that may be passed or Notification that may be issued under any Labour Law in future either by the State or the Central Government or the Local Authority. The Contractor shall keep the Employer Indemnified in case any action is taken against the Employer by the Competent Authority on Account of Contravention of any of the Provisions of any Act or Rules made there under, Regulations or Notifications including Amendments. If the Employer is caused to pay or reimburse, such Amounts as may be necessary to cause or observe, or for Non Observance of the Provisions Stipulated in the Notifications / Bye Laws / Acts / Rules / Regulations including Amendments, if any, on the part of the Contractor, Employer shall have the Right to deduct any Money due to the Contractor including his Amount of Security Deposit. The Employer shall also have Right to recover from the Contractor any Sum required or estimated to be required for making Good the Loss or Damage suffered by the Employer. The Employees of the Contractor in no case shall be treated as the Employees of the Employer at any point of time.

3. **Protection of Environment**
The Contractor shall take all Reasonable Steps to protect the Environment on and off the Site and to avoid Damage or Nuisance to Persons or to Property of the Public or others resulting from Pollution, Noise or other Causes arising as a Consequence of his Methods of Operation. During Continuance of the Contract, the Contractor shall abide at all times by all Existing Enactments on Environmental Protection and Rules made there under, Regulations, Notifications and Bye Laws of the State or Central Government, or Local Authorities and any other Law, Bye Law, Regulations that may be passed or Notification that may be issued in this respect in future by the State or Central Government or the Local Authority.

4. **Possession of the Site**
The Employer shall give the possession of the Site to the Contractor based on the mutually agreed Construction Schedule between the Employer and the Contractor. If Possession of a Part is not given as per the mutually agreed Schedule then the Employer will assess the Probable Delay that may arise due to non availability of that particular part of Site to the Contractor.

5. The Tender Documents uploaded in the Karnataka Public Procurement Portal, Tender Terms arrived at during Process of Clarifications together with the Letter of Acceptance thereof, shall constitute a Binding Contract between the Successful Tenderer and the Employer and shall form the Foundation of the Rights and Obligation of both the Parties.

6. The Several Documents forming the Contract are to be taken as mutually explanatory of one another, Detailed Drawings being followed in preference to Small Scale Drawings and Figured Dimensions in preference to the Measured Ones. Special Conditions shall be followed in preference to General Conditions / Clauses of the Contract. Particular Specifications shall be followed in preference toGeneral Specifications applicable to the Contract.

7. In case of Discrepancy / Inconsistency between the Description in the Scope of Works, Specifications, Nomenclature of Items and / or the Drawings, Conditions of Contract, Qualification Document and if there are Varying or Conflicting Provisions made in any Document forming Part of the Contract, the Employer shall be the Deciding Authority with regard to the Intention / Interpretation of the Document and his Decision shall be final and binding on the Contractor without any reservations.

8. The Right to carry out the Work either in Conformity with or in a Manner entirely different from the Terms of this Tender Document that may be considered most suitable before or subsequent to the Receipt of Tenders due to Exigencies of Work is reserved with the Employer.

9. Any Error in Description or any Omissions there from, shall not vitiate the Contract or release the Contractor from the Execution of the whole or any part of the Works comprised therein according to Drawings and Specifications or from any of his Obligations under the Contract.

10. The Work shall not be subcontracted.

11. Time is the Essence of the Contract and it shall be clearly understood that the Contractor is

bound to complete the Work in every respect within the Intended Completion Period as stated in the Contract Data.

12. Within fifteen days from the Date of Signing the Agreement and before Commencement of the Work, the Contractor shall submit the following Details / Documents to the Employer for his Approval.

a. Time and Progress Chart in direct relation to the Intended Completion Period along with Milestones as stated in the Contract Data for Completion of the Items or Groups of Items of Work and for the Contract as a whole. It shall indicate the Procedure and Method in which the Work is proposed to be carried out, the Forecast of the Dates of Commencement and Completion of Various Grades or Sections and the Arrangements regarding Constructional Plant and Temporary Works, which the Contractor intends to make. The Programme of Work may be amended as and when necessary by Agreement between the Employer and the Contractor within the Limitations of Time imposed by the Contract Documents.

b. **Mapping of Existing Utilities**:
The Successful Tenderer (Contractor), on Award of Work, shall map all the Existing Service Lines, above and below the ground level within the Battery Limit, such as Water Supply, Underground Drainage, Electrical, Telephone, Optical Fibre Cables, etc. Mapping of the Service Lines below the Ground Level shall be carried out using Ground Penetrating Radar (GPR) Equipment. Mapping shall be got approved by all the respective Service Departments at the Risk and Cost of the Contractor. The Contractor shall submit the Approved Maps to the Employer.

c. Topographical Survey shall be carried out and Topographical Survey Plan along with Levels and Sections (as per the MoRT&H Specifications) of the Project Roads mentioned under the Package shall be submitted both in Hard and Soft Copy by the Contractor.

d. Traffic Diversion Plan in accordance with the Traffic Department shall be submitted for the Approval before Commencement of the Work.

e. After Approval of the Traffic Diversion Plan by the Concerned Authorities, Notification and Diversion Display Boards of Dimensions 1.8m X 1.6m (at 2.8m height from the Ground Level) of minimum 8 Nos. in the Project Battery Limit shall be installed before Commencement of the Work by the Contractor.

f. The Contractor shall submit the required Mix Design Reports for Pavement Quality Concrete, Bituminous Materials and Concrete of other Grades before Commencement of the Work for the Approval of the Chief Engineer. Further, the Contractor shall submit necessary Quality Control Reports from the Manufactures / Third Party for other Materials before using the same in the Work.

g. On Award of the Work, the Contractor shall demonstrate Execution of White Topping for a length of 50m with the Pavers, which are to be deployed in the Work by the Contractor, and shall prove Quality by conducting necessary Quality Control Tests, Workmanship of

his Works as per the required Specifications / Standards of relevant IRC / BIS. Any Improvements required with respect to the Quality, Workmanship and Speed of Execution of the Work as decided by the Employer, such Modifications shall be carried out by the Contractor for Execution of the Work. The Decision of the Employer / Employer's Representatives in this regard shall be final and the Contractor shall abide by the same.

13. The Contractor shall prepare and submit the Working Drawings / Good for Construction Drawings along with the required Survey / Investigation Reports to the Employer and get approval for the same by the Employer at Contractor's own risk and cost before Commencement of the Work. The Employer will approve the Drawings within 10 Working Days from the Date of Submission of the Drawings by the Contractor

On the basis of Project Scheduling, the Contractors shall also supply Monthly Bar Chart for Completion of each Item of Work and other necessary Information for monitoring the Progress of the Work. The Contractor shall also supply suitably Updated Monthly Bar Charts, etc. incorporating inter alia the Decision taken during Site Inspections / Review Meetings.

14. The Approval of the above Programme by the Employer shall not absolve or relieve the Contractor of any of his Responsibilities to complete the whole of the Works by the Intended Completion period or Extended Completion Period, if any.

15. **Progress of Work**

The Contractor shall give the Employer on the 4th Day of each Month a Progress Report of the Work done during the Previous Month.

The Progress of Work will be reviewed periodically by the Employer with the Contractor and Shortfalls, if any sorted out, the Contractor shall thereupon take such Action as may be necessary to bring back his Work to Schedule without any Additional Cost to the Employer by employing Overtime Operations, increasing the Number of Shifts, Capacity of the Equipment or otherwise as directed by the Employer and nothing shall be paid extra.

16. **Drawings to be kept at Site**

The Required Sets of the Drawings as approved by the Employer shall be kept by the Contractor at the Site and the same shall at all reasonable time be available for Inspection and Use by the Employer and his approved Representative and any other person authorized by the Employer in writing.

17. **Drawings to be kept at Site**

The Required Sets of the Drawings as approved by the Employer shall be kept by the Contractor at the Site and the same shall at all reasonable time be available for Inspection and Use by the Employer and his approved Representative and any other person authorized by the Employer in writing.

11. **Inspection of Works**

In addition to the Provisions of Relevant Clauses of the Contract, the Work shall also be open to Inspection by the Employer and his approved Representative. The Contractor shall at all times during the Usual Working Hours and at all times at which Reasonable Notices of the

Intention of the Employer or his approved Representative as stated above to visit the Works shall have been given to the Contractor, either himself be present to receive the Orders and Instructions or have a responsible Site Engineer duly accredited in writing, to be present for that Purpose.

19. **Foreign Exchange**

It shall be clearly understood that no Foreign Exchange shall be made available for the Purpose of Equipment, Plants, Machinery or Materials of any kind or any other Items / Purposes required to be carried out in Execution of the Work. It shall be clearly understood that no Foreign Exchange required for importing Equipments, Materials for Tools, Plants and Machinery, etc. that may be required in carrying out the Work, even from the Rupee Payment Country will be made available.

20. The Contractor shall make his own arrangement at his own Cost for the Provision of Telephone Facilities at the Site of Works or at any other place.

21. No Accommodation is available at the Site of Work for Office, Residence, Labour, Store, Casting Yard, etc. and the Contractor must make his own Arrangement and no Claim whatsoever on this account shall be entertained.

22. The Contractor shall make his own arrangement for the Disposal of the Spoils / Excavated Earth / Debris from the Works to such Place, approved by the Employer, where the same shall not cause Nuisance and shall be acceptable to the Authorities concerned.

23. The Electric and Water Connections to be obtained for use of the Work under the Contract are subject to the following Conditions.
    a. The Contractor shall make his own arrangement for Electricity and Water Supply. However, the Employer will assist the Contractor to get Power from the concerned Department at the Contractor's Cost.
    b. The Employer shall in no way be Responsible for any Delay in getting the Electric Connection and Water and no Claim on this account whatsoever, shall be entertained. It shall be clearly understood that the Contractor has to make his own Arrangement for Generators for use before the Electric Connection is made available and also to be used as a Stand by Arrangement in case of Power Failure, etc. or in the case of Disconnection of Electric Supply by the concerned Department for any reason.

24. **Safety of Workers**

In respect of all Labour directly or indirectly employed in the Work for the Performance of the Contractor's Part of this Agreement, the Contractor shall at his own Expense arrange for the Safety Provisions as per Indian Standard Safety Codes shown below and shall at his own Expense provide all Facilities in connection there with. In case, the Contractor fails to make Arrangement and provide Necessary Facilities as aforesaid, he shall be liable to pay **Rs.1000/-** per Day for each day of Delay from

the Date of Notice issued to the Contractor ion this regard and in addition the Employer shall be at liberty to make Arrangement and provide Facilities as aforesaid and recover the Cost incurred on that behalf from the Contractor, and no Claims whatsoever shall be entertained.

i.	IS: 3696 (Part I) – 1966	Safety Code for Scaffolds and Ladders
ii.	IS: 3696 (Part II) – 1966	Safety Code for Scaffolds and Ladders, Part II Ladders
iii.	IS: 3764 – 1966	Safety Code for Excavation Work
iv.	IS 4081 – 1967	Safety Code for Blasting and Drilling Operations
v.	IS: 4138 – 1977	Safety Code for Working in Compressed Air
vi.	IS: 5121	Safety Code for Piling and other Deep Foundations
vii.	IS: 5916 – 1970	Safety Code for Construction involving Use of Hot Bituminous Materials
viii.	IS: 7293 – 1974	Safety Code for Working with Construction Machinery
ix.	IS: 7969 –1975	Safety Code for Storage and Handling of Building Materials
x.	Any other Code and / or as per directions of the Employer.	

25. The Employer shall have Full Powers to send Workmen and employ on the Premises to execute Fittings and other Work not included in the Contract. For whole Operations, the Contractor is to afford every Reasonable Facility during Ordinary Working Hours provided that such Operations shall be carried on in such a manner as not to impede the Progress of the Work included in this Contract in the opinion of the Employer.

26. The Contractor shall conduct his Work so that not to interfere with or hinder the Progress or Completion of the Work being performed by other Contractors, Piece Workers or by the Employer and shall as far as possible arrange his Work and shall place and dispose the Operations of the other Contractors, Piece Workers, or of the Employer. The Contractor shall arrange his Work with that of the others in an Acceptable Manner and shall perform it in Proper Sequence to the complete Satisfaction of the Employer at the Contractor's own Cost.

27. **No Waiving of Legal Rights and Powers**

The Employer shall not be precluded or stopped from taking any Measurements and Framing of Estimates or Detaining any Certificates made either before or after the Completion and Acceptance of the Work and Payment, from showing the True Amount and Character of the Works Performed and Materials furnished by the Contractor and from showing that any such Measurements, Estimates or Certificates Untrue or incorrectly made and that the Employer shall not be precluded or stopped from recovering from the Contractor and such Damages as it may be sustained by Reasons of his Failure to comply with the Terms and Conditions of the

Contract. Neither the Acceptance by the Employer nor any Payment for Acceptance of the whole or any part of the Work nor any Extension of Time nor any Possession taken by the Employer shall operate as a Waiver of any Portion of the Contract or any Power herein reserved or of any Risk to Damage. A Waiver of any Breach of the Contract shall not be held to be a Waiver of any other or subsequent Breach.

28. **Night Work**

For Completing the Work well within the Intended Completion Period, the Contractor is required to work in three shifts (including Night Work) and no Claim whatsoever shall be entertained on this account, not withstanding, the Fact that the Contractor will have to pay to the Labours and other Staff engaged directly or indirectly on the Work according to the Provisions of the Labour Regulations and the Agreement entered into and for Extra Amounts towards any other Reason. None of the Permanent Works shall be carried out during Night or on Authorized Public Holidays without the permission in writing of the Employer except when Work is unavoidable or absolutely necessary for the Safety of Life, Property or Work in which case the Contractor shall immediately advise the Employer accordingly, provided that the Provisions of this Condition shall not be Applicable in the case of any Work which is customary to carry out by Rotation or in Double Shift.

29. No Work shall be covered or put out of View without the approval of the Employer or his approved Representative and the Contractor shall afford Full Opportunity for Examination of such Services before these are permanently installed or extended thereof as per Site Requirement.

30. The Execution of any Items of Work where any Incidental Work is actually required but not specifically stated in the Tender Document, it is to be understood that the Amount quoted by the Contractor shall cover such Charges also and nothing extra on account of such Incidental Charges, if any, shall be paid.

31. No Payment will be made to the Contractor for Damage caused by Rains, or other Natural Calamities or Accidents or Acts of God, during the Execution of the Works and no such Claim on this account will be entertained.

32. The Contractor is required to submit Rates of all Items he has used to derive the Tendered Price inclusive of Cost of all Labour, Materials, Plant, Machinery, Equipments, Carriage and other Inputs, Taxes, Royalties, etc.

33. The Contractor shall maintain in Good Condition all Work till the Completion of entire Work allotted to him. From the Commencement of the Work to the Completion of the same, the Work is to be under the Contractor's Charge. The Contractor is to be held Responsible for and to make good all Injuries, Damages and Repairs, rendered necessary by Fire, Rain, Traffic, Floods or other Causes. The Employer shall not be held Responsible, for any Claims for Injuries to Personal Workmen or for Structural Damage to Property happening from any Neglect, Default, Want of Proper Care or Misconduct on the Part of the Contractor or of any

other of his authorized Representatives in his Employment during the Execution of the Work. The Compensation, if any, shall be paid directly to the Department / Authority / Persons concerned, by the Contractor at his own Cost.

34. The Contractor will take all Necessary Measures for the Safety of Workers during Construction and provide, erect and maintain such Barricades, including Signs, Markings, Flags and Lights, as necessary, all around the Excavation / Construction Area and at such Intermediate Points, as directed by the Employer including the Proper Identification of the Construction Areas. He shall be Responsible for all Damages and Accidents on account of Construction and other Relevant Activities. Nothing shall be paid extra on account of above.

The Temporary Warning Signs / Lamps shall be installed at all Barricades during the Hours of Darkness and kept lit there at all times during these hours and nothing shall be paid extra.

The above Provisions shall be followed strictly and at no time the Construction / Excavation Areas are to be left Unbarricaded or without Red Lamps during the Hours of Darkness. Failure to comply with the Requirements mentioned in the Preceding Paragraphs shall be deemed to be a Breach of Contract on the Part of the Contractor for which the Contractor shall be Liable to action under Relevant Clauses / Conditions of the Agreement.

In addition to other Actions being taken for such Breach of Contract, the Contractor shall be liable to pay compensation @ Rs. 1000/- per Sqm of Area left Unbarricaded.

The Employer shall give Notice to the Contractor for such Barrication and the Contractor shall comply with the same within one day of such Notice failing which he shall be liable to pay the above Compensation and Actions for the said Breach of Contract. The Decision of the Employer in respect of the above shall be final and binding. The Contractor shall be held fully responsible for any lapses and consequent losses (Damages, Injuries, Death, etc.) in this regard.

The Contractor shall use every Reasonable Means to prevent any of Roads, Bridges communicating with or on the Routes to the Site from being damaged by any Traffic of the Contractor or any of his Sub Contractors and in particular, shall select Routes and Vehicles to avoid such Unnecessary Damages.

35 The Contractor shall assume all Liabilities, Financial or otherwise in connection with his Contract and shall protect and save the Employer from any and all Damages and Claims that may arise because of the Presence and Operations of others working on or near the Site. The Contractor shall assume all Responsibilities for all Work not completed or accepted because of the Presence and Operations of other Contractors or Piece Workers or of the Employer.

36. At the time of Construction, the Contractor shall embed all Electrical / other Fixtures like Base Plates, Brackets, Conduits, etc. as per the Directions of the Employer. Nothing Extra whatsoever will be payable on this account.

37. For execution of any Items of Work where Incidental Works such as Bailing out Water, Shoring, etc. are actually required but not specifically stated in the Tender, it is to be understood that the Amount quoted by the Contractor shall cover such Charges also and nothing Extra on account of such Incidental Charges, if any, shall be paid.

38. Any Upgradation in Technology in terms of Construction Procedures / Construction Materials / Construction Equipments will be adopted from time to time on mutual consents of the Employer and the Contractor.

39. **Arbitration (Clause 24) Deleted**

40. **Quality Control Tests**

The Contractor shall arrange adequately equipped own Laboratory Facility Set up at Site for Site Control on the Quality of Materials and carry out all the Tests as per the Provision of BIS, MoRT&H Specifications and as per the Instructions of the Employer / Employer's Representative.

Further, the Contractor shall adopt Construction Machineries, Execution Methodology, Quality Control System, Safety Management, etc. as per the prevailing State – of – the – Art Facilities in prior consent with the Employer.

41. The Employer might deploy Employer's Representative for Design Checking and Approval, Work Supervision, Quality Control and Supervision, Progress Monitoring, Safety Monitoring, etc. The Contractor shall abide by the Instructions / Suggestions given by the Employer's Representative for the successful completion of the Project.

42. **Existing Services / Utility Lines**

Existing Drains, Pipes, Cables, Overhead Wires, Sewer Lines, Water Lines, Power Lines and similar Services / Utility Lines encountered in the Course of the Execution of the Work shall be protected / repaired / maintained in all respects in terms of Materials, Labours, etc. against the knowingly / unknowingly Damage by the Contractor at the Contractor's own risk and cost. The Contractor shall not store Materials or otherwise occupy any part of the Site in a manner likely to hinder the Operation of such Services.

43. **Interference with Traffic and Adjoining Properties**

a. All Operations necessary for the Execution and Completion of the Works and the Remedying of any Defects therein shall, so far as Compliance with the Requirements of the Contract Permits, shall be carried out so that not to interfere unnecessarily or improperly with the following.
   i. The Convenience of the public, or
   ii. The Access to, Use and Occupation of Public or Private Roads and Footpaths or of Properties whether in the Possession of the Employer or of any other person.

b. In case any Operation connected with the Traffic necessitates Diversion, Obstruction or Closure of any Road, Railway or any other Right of Way, the Approval of the Employer and the Concerned Authorities shall be obtained well in advance by the Contractor.

c. Further, it shall be the Responsibility of the Contractor to obtain required Permission / Approval from the Concerned Traffic Police Authorities regarding Traffic Diversion at the Contractor's own Risk and Cost. The Employer will assist the Contractor in coordination only.

d. Further the Contractor is liable to follow the rules and regulation stipulated by the traffic department without fail. Event of accident or incident to the vehicles/public/pedestrian, only the Contractor will be held responsible.

e. The Contractor shall provide Skilled Flagmen for Traffic Diversion as per the Requirement of the Concerned Department.

f. The Contractor shall provide Traffic Barricades with Blinkers, Reflective Tapes, Road Delineators, Traffic Cones, Portable Signages, Reflective Lights and other necessary Traffic Signage as required, as directed by the Concerned Authorities and as per the Specifications.

44. **Protection of the White Topped Surface**

The Contractor shall cover and protect the White Topped Surface till the Final Setting of the Concrete against Rain; Leaves, Branches, Twigs of Trees; Footprints of Human beings / Animals, etc. The Contractor shall be held fully responsible for any lapses in this regard. The Contractor has to remove such defective work at his own risk and cost and redo the defective work.

- **Concrete**

The Contractor shall obtain Pavement Quality Concrete only from the Ready Mix Concrete (RMC) Plants established by the Reputed Cement Manufacturers. The List of these Reputed Cement Manufacturers shall be approved by the concerned Chief Engineer. Further, the Contractor shall enter into a Memorandum of Understanding (MoU) with the Approved Supplier by stating that the Supplier will be supplying the RMC to the Contractor on time as

per the Requirements and this MoU shall be a part of the Contract Agreement.

Alternatively, the Contractor shall install his own Batch Mix Plant of Capacity minimum 300 cum / day. Further, Installation Details such as Location, Equipment and Accessory Details, Capacity, etc. shall be approved by the concerned Chief Engineer prior to installation.

The Design Mix of Concrete in both the cases shall be approved by the concerned Chief Engineer.

- **Heavy Duty Cobble Stone**

The Concrete Grade of Heavy Duty Cobble Stone proposed shall not be less than M40 and each Stone shall be provided with 3 dimension locking system.

48. The Maintenance of the Roads handed over to the Contractor for White Topping is the sole responsibility of the Contractor. He shall ensure that the Pavement Layers are maintained in the Motorable Conditions without any Potholes from the Day of Issue of Notice to proceed with the Work. If the Contractor fails to maintain the Road, the Contractor will be liable to pay Penalty of Rs. 10000/- per pothole per day for each day of Delay from the Date of Notice issued to the Contractor in this regard and in addition the Employer shall be at liberty to make arrangement and provide facilities as aforesaid and recover

49. As per the Government Order FD 205 EXP 12/2021 Dated:26.04.2021, third party inspection has been made mandatory for construction works exceeding the estimated cost of Rs.2.00 crore.

50. GST Will be paid separately to contract amount.

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract:

Clause Reference

1 The Employer: **The Chief Commissioner**
Address: **Bruhat Bengaluru Mahanagara Palike**
N. R. Square
Bengaluru – 560 002

Name of Authorized Representative: **Executive Engineer**
RI-Yelahanka Division
Bruhat Bengaluru Mahanagara Palike
3rd Floor Mini Vidhana Soudha,
Yelahanka, Bengaluru – 560 064

2 The Name and Identification Number of the Contract:
Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants Package – 7, No. EE/RI-YNK/TEND/07/2024–25, Date: 12.03.2025
The Work consists of Desilting of Roadside Drains; Refixing / Fixing of Drain Cover Slabs; Refixing / Fixing of Kerb Stones; Construction of Buffer Zone; Construction of New Cast – in – Situ Median; Construction of New Roadside Drain; Laying of Utility Ducts along Footpath; Construction of New Footpath; Construction of Manholes and Cross Utility Ducts; Milling of Existing Bituminous Surface; Providing and Laying of Bituminous Macadam for Filling of Potholes, Cracks, etc. and for Profile Correction as well; Providing and Laying of White Topping; Painting of Kerb Stones, Median; Lane Marking; Proving and Fixing of Traffic Signs; Improvements to Cross Roads; Electrical Works such as Street Lighting; etc. and Maintenance of all the Infrastructural Facilities developed for a Defect Liability Period of 5 years.
List of work to be executed under this package

Sl no	Name of work
1	Providing white topping and improvements to footpath, drain of Bagalur main road from Bellary main road (international Airport Road) to BBMP limit
2	Providing white topping and improvements to footpath, drain of Jakkur road from Bellary main road (international Airport Road) to Rashtrothana Junction
3	Providing white topping and improvements to footpath, drain of Allalasandra Main Road and 13th A main road from Allalasandra ROB to 3rd A crossroad via Allalasandra lake and 13th A main road
4	Providing white topping and improvements to footpath, Drain of ORR Road

	from Jalahalli Cross to Laggere Arch(Dasarahalli Division Border) And ISRO Road in Dasarahalli Zone

3 The Start Date shall be **Date of Issue of Notice to Proceed with the Work**.

4 The Sites are located **along Reaches as detailed out in enclosed Key Maps**.

5 The following Documents also form part of the Contract: **N / A**

6 Insurance requirements are as under:

Sl. No.	**Type of Cover**	**Minimum Cover for Insurance for 12 months**
i.	Works and of Plant and Materials	The Sum stated in the Agreement plus 20%
ii.	Loss or damage to equipment	Full Replacement Cost
iii.	Loss or damage to property of Third Party	Full Replacement Cost
iv.	Personal Injury or Death Insurance a. for Third Party b. for Contractor's Employees or Labour	 Rs. 20.00 Lakh to cover 4 Persons @ Rs. 5.00 Lakh each. In accordance with the Statutory Requirements Applicable to Karnataka.

7 The Intended Completion Date for the whole of the Works: **22 Months from the Start Date including monsoon with the following Milestones.**

Milestone	**Financial to be completed in Lakhs**	**Physical Work in percentage (%) to be completed (Cumulative)**	**Period from the Date of Issue of Notice to proceed with the Work**
Milestone 1	800.90	10%	4.5 Months
Milestone 2	2803.15	35%	9 Months
Milestone 3	4805.40	60%	13.5 months
Milestone 4	6407.20	80%	18 Months
Milestone 5	8009.00	100%	22.0 months

8 The Site Possession Date: **Immediately after the Issue of Work Order**.

9 The Contractor shall submit to the Employer for Approval a Program showing the General Methods, Arrangements, Order and Timing for all the Activities in the Works: **within 10 days from the Date of Signing the Agreement**.

10 The Methodology and Program of Construction: **10 Days from the Date of Entering into Agreement.**

11 The Schedule of Key and Critical Equipment to be deployed on the work as per Agreed Program of Construction: **10 Days from the Date of Entering into Agreement.**

12 The Defects Liability Period is **60 Months, which will run concurrently from the Date of the Physical Completion of the Project and on issuance of Physical Completion Certificate by the Competent Authority**.

13 **Price Adjustment Formula:**

R= Value of work as defined in Clause 40.1 of Conditions of Contract.

Adjustment for labour component:

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

VL = 0.85 X PL /100 X R X(Li - Lo) /Lo Where,

VL = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour;
Lo = The average consumer price index1 for industrial workers for Bangalore Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;
Li = The average consumer price index for industrial workers for Bangalore Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India
PL = Percentage of labour component of the work

Adjustment for Cement Component:

(ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

VC = 0.85 X PC /100 X R X (Ci - Co) /Co , Where,

VC = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;
Co = The all India average wholesale price index 2for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India , New Delhi;
Ci = The all India average wholesale price index for cement (Ordinary Portland Cement)

[1] The Index numbers are available in the web site *http://labourbureau.nic.in/indtab.html*
[2] The index number are available in the web site *http://eaindustry.nic.in*

for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

PC = Percentage of cement component of the work

Note: For the application of this clause index of Ordinary Portland Cement[3] has been chosen to represent Cement Group

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

VS = 0.85 X PS /100 X R X (Si – So)/So where,

VS = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

So = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

Si = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

PS = Percentage of steel component of the work

Note: For the application of this clause, index of M.S. Bars and Rods[4] has been chosen to represent steel group.

Adjustment of Bitumen Component:

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

VB = 0.85 X PB/100 X R X (Bi – Bo)/Bo , Where

VB = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

Bo = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at ……. 5on the day 30 days prior to the date of opening of Bids.

Bi = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at …….. for the 15th day of the middle calendar month of the quarter under consideration.

PB = Percentage of bitumen component of the work.

Adjustment of Fuel and Lubricant component:

[3] This may be changed to any other type of cement depending on the nature of work.

[4] This may be changed depending on the major type of steel used depending on the nature of work

[5] Insert the nearest location of POL Depot

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

VF = 0.85 X PF /100 X R X (Fi - Fo)/ Fo, Where,

VF = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.
Fo = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at Bangalore on the day 30 days prior to the date of opening of Bids.
Fi = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at Bangalore for the 15th day of the middle calendar month of the quarter under consideration.
PF = Percentage of Fuel and Lubricant component of the work.

Note: For the application of this Clause the price of HSD[6] has been chosen to represent Fuel and Lubricant Group

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

VP = 0.85 X PP/100 X R X (Pi – Po)/Po , Where

VP = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.
Po = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi
Pi = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi
PB = Percentage of Plant and Machinery Spares component of the work.

Note: For the application of this Clause index of Heavy Machinery and Parts[7] has been chosen to represent the Plant and Machinery Spares Group.

Adjustment for Other materials.:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[8], procured by the contractor shall be paid in accordance with the following formula:

VM = 0.85 X PM/100 X R X (Mi – Mo)/Mo , Where

[6] This could be appropriately changed to any other item depending on the nature of work.
[7] This could be appropriately changed to any other item depending on the nature of the work.
[8] Add, delete or change depending on the nature of work.

VM = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

Mo = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

Mi = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

PM = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages 9will govern the price adjustment for the entire contract:10

1.	Labour – PL	…….. %
2.	Cement – PC	……%
3.	Steel – PS	……%
4.	Bitumen – PB	……%
5.	Fuel and Lubricants – PF11	……%
6	Plant and Machinery Spares – PP12	……..%
7	Other materials – PM	……..%

TOTAL 100 %[13]

14. The Liquidated Damages for the whole of the Works are **965100/-(amount) per day and that for the milestones are as under**

For Milestone 1	Rs.80090 per day
For Milestone 2	Rs.280315 per day
For Milestone 3	Rs.480540 per day
For Milestone 4	Rs.640720 per day
For Milestone 5	Rs.800900 per day

15. The Maximum Amount of Liquidated Damages for the whole of the Works: **10% of Final Contract Price.**

16. The Amounts of the Advance Payment are

[9] The percentages have to be approximately worked out on the estimates of cost and incorporated in the tender document before issue. It shall not be changed even if there is change of scope of work during execution.

[10] The components could be added or deleted or changed depending on the nature of the work.

[11] This could vary from 5% for normal works and 10% for highly mechanized operations in the work

[12] This could vary from 15% for normal works to 30% for highly mechanized operations in the work

[13] The total of the percentages for the various components of the works should be 100.

[14] The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
1. Mobilization	5% of the Contract Price	On submission of Unconditional Bank Guarantee. (To be drawn before end of 20% of Contract Period).

(The Advance Payment will be paid to the Contractor no later than 30 days after fulfillment of the above Conditions).

17. **Repayment of Advance Payment for Mobilization**
The Advance Payment shall be repaid with Percentage Deductions from the Interim Payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such Payments to the Contractor has reached not less than 15% of the Contract Price and shall be made at the Rate of 7.5% of the Amounts of all Interim Payment Certificates until such time as the Loan has been repaid, always provided that the Loan shall be completely repaid prior to the Expiry of the Original Time for Completion pursuant to Clauses 17 and 26.

18. The Date by which "As Built Drawings" (in scale **1:100**) in 3 sets are required is within **30 days** of Issue of Certificate of Completion.

19. The Amount to be withheld for failing to supply "As Built Drawings" by the date required is **Rs. 100000/-**.

20 The following Events shall also be Fundamental Breach of the Contract.
1. The Contractor has contravened Clauses 7 and 9 of CC.

21 The Percentage to apply to the Value of the Work not completed representing the Employer's Additional Cost for completing the Works shall be **30%**.

SECTION 7: Specifications

For Specifications, all the Latest Editions of Relevant Codes of Indian Road Congress, Special Publications, Bureau of Indian Standards, MoRT&H shall be referred to.
(Main work WHITE Topping code IRC SP-76-2015 is enclosed & other standard codes applicable to be referred).

SECTION 8: Drawings

Drawings are uploaded in the Karnataka Public Procurement Portal.

SECTION 9: Financial Bid

Financial Bid (Bill of Quantities) is uploaded in the Karnataka Public Procurement Portal.

Note to Bill of Quantities:

1. Item for which no Rate or Price has been entered in will not be paid for by the Employer when executed and shall be deemed Covered by the other Rates and Prices in the Bill of Quantities (Refer ITT Clause 11.2 and CC Clause 37.2).

2. Unit Rates and Prices shall be quoted by the Tenderer in Indian Rupees.

3. Where there is a Discrepancy between the Rate in Figures and Words, the lower of the two will govern
   [Refer ITT Clause 24.1(a)].

4. Where there is a Discrepancy between the Unit Rate and the Line Item Total resulting from multiplying the Unit Rate by Quantity, the Unit Rate quoted shall govern [Refer ITT Clause 24.1 (b)].

SL. NO	Description	Unit	Quantity	Unit Rate		Amount (Rs.)
				Rs.	Words	
1	Removing B.S/Concrete Slab of Drain and stacking (Data Rate).	m2	4062.86			
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead By Mechanical means -Cement Concrete Grade M-15 & M-20 ((ii) A)	m3	2647.19			
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead. By Mechanical means - Dismantling Brick / Tile work / rubble masonry / pitching / etc by	m2	3477.48			

	mechanical means					
4	Dismantling kerb stone by manual means and disposal of dismantled material with all lifts and lead	m	35448.00			
5	Cutting road surfaces for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the classifications for: Cutting asphalt Road surface by Machine cutting to demarcate the trench width of the surface	m3	201.96			
6	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.. In all kinds of soils Depth upto 1.5m	m3	46602.40			
7	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m	m3	18586.60			
8	Providing and laying of a reinforced cement concrete pipe duct, 300 mm	m	1591.50			

	dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings. Case -II : Double row for two utility services					
9	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works,backfilling, concrete and masonry works in head walls and parapets Clause 1101.6 1000mm dia	m	18.00			
10	Providing, laying and jointing HDPE pipes of specified grade andconforming to IS 4984-2016 with latest ammendments and conveyingto work site including loading and unloading at both destinations androlling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipealround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee,	m	22869.60			

	stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 110mm dia Coil shall be used. For :HDPE Grade PE 100 PN 6.0 .200mm dia					
11	Providing, laying and jointing HDPE pipes of specified grade andconforming to IS 4984-2016 with latest ammendments and conveyingto work site including loading and unloading at both destinations androlling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipealround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 110mm dia Coil shall be used.For :HDPE Grade PE 100 PN 6.0 .110mm dia	m	28440.80			
12	Providing Bedding or Backfilling using approved stone dust / quarry dust of size not exceeding 5.6 mm for the pipe line trenches including watering and consolidation etc., complete with all lead and lifts as per specification and as directed by the engineer incharge, after obtaining the approval of the Chief Engineer.	m3	5634.33			
13	Construction of Median and Island with Soil Taken from Roadway Cutting Construction of Median and Island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other	m3	6905.12			

	structures, spread, graded and compacted as per clause 408					
14	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 -Grading V	m3	8281.00			
15	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	m3	3332.37			
16	Providing and laying in position cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specificationsMix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	m3	1625.84			
17	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle	m3	1998.53			

	vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately).M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates					
18	Providing and laying in position cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	m3	733.15			
19	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kgs	60107.52			
20	Providing and fixing Precast RCC 200mm thick cover slab for Drains/culverts/chambers & others using M30 design mix Grade Concrete using 20mm nominal size graded crushed coarse aggregates, slab reinforcement steel with Bottom of 12mm @ 120mm c/c and top of 10mm	m2	307.00			

	@ 120mmc/c and distribution steel of 8mm @180mm c/c reinforcement steel (@ rate of 115 Kg/Cum) and slab jointed in CM 1:3 including cost of material, labour, form work, lifting using suitable crane, lift charges, usage of machinery, scaffolding, curing lead and transportation charges etc.... complete and as per the directions of Engineer in-Charge.					
21	Providing and laying 100mm thick pre-cast cover slabs over drains & Rain pit of width not exceeding 800 mm using M20 concrete reinforced with Micro Alloyed High carbon steel with 3mm - 3ply wired steel @ 2.00 kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.	m2	16469.12			
22	Supplying & fixing Composite Fibre Reinforced Polymer (FRP) utility cover conforming to IS 12592:2002 with sufficient load bearing capacity as per technical specifications. Heavy Duty Square 560x560 mm with load bearing capacity upto 30t (PWD SR 2023-24 P-79, I-8.57d) Vol-III	No.s	504.00			
23	Providing and laying 60mm thick factory made precast M -30 grade Cement Concrete Paver Block as per IRC SP 63:2018 & IS 15658 for Cycle Tracks & Pedestrian Footpaths of approved shape and colour, laid in required pattern and including over 30mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-incharge. (WMM/WBM Base to be paid separately if necessary as per relevant technical specification).	m2	49710.58			
24	Providing and laying 100mm thick factory made precast M -40 grade Cement Concrete Paver Block as per IRC SP 63:2018 & IS 15658 for	m2	21664.80			

	Commercial Traffic Axle load repetitions more than 10MSA upto 20MSA for Industrial Streets, Bus & Truck parking of approved shape and colour, laid in required pattern and including over 40mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (WMM/WBM Base to be paid separately as per relevant technical specification).					
25	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	m3	1147.13			
26	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.. (The cost of steel reinforcement & formwork to be	m3	36.74			

	paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates					
27	Steel Fabrication Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / softannealed steel wire and other ancilary operations complete as per drawing and technical specification (h). All other type of structure.	Tonne	473.61			
28	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M30 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	m3	242.60			
29	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances	m3	60.75			

	required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)-M30 Design Mix Using 20 mm nominal size graded crushed coarse aggregates					
30	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	m2	191.36			
31	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement:6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	m2	287.04			
32	Painting on Steel Surfaces Providing and applying two coats of ready mix paint of approved brand on steel surface after thorough cleaning of surface to give an even shade	m2	256.37			
33	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top width 100mm and bottom width 150mm respectively, 300mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete., to be laid between Travel lane and Cycle Track/Landscape with all lead, lift, loading and unloading complete as per the direction of Engineer incharge (Form Finish Concrete and no painting to be done)	Nos.	77351.00			

34	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	m2	10442.40			
35	Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and lead and stacking the serviceable and unserviceable material separately	No.s	76.00			
36	Dismantling of Flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately. A-Bituminous Course	m3	350.00			
37	Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 504 using HMP 40/60 TPH Capacity compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2	m2	1312.50			
38	Providing and fixing in position 25mm dia dowel bars precoated with anticorrosive epoxy paint of required Dia. 600 mm. Long and at 300 mm. C/C and wherever directed including handling, straightening, necessary cutting supported by TMT, chairs with proper alignment by using properly designed assembly of Bulkheads lubricating half length with bituminous paint as directed etc. complete.	No.s	277.78			
39	Providing and fixing in position, tie bars precoated with anticorrosive epoxy paint of 12 mm dia. 700 mm. long and at 300 mm. C/C and wherever directed including handling, straightening wrapping with paper of approved quality for half length, necessary cutting, handling,	No.s	8666.67			

	straightening , supported by assembly of TMT, chairs with proper alignment etc. complete.					
40	Providing crushed stone aggregate, depositing on a prepared surface by hauling vehicles, spreading and mixing with a motor grader, watering and compacting with a vibratory roller to clause 407 to form a layer of sub-base/Base By Mix in Place Method i) For 53 mm maximum size (Table 400-14)	m3	4760.00			
41	Providing M-Sand : Supplying and filling in plinth,foundations / UG cable work with approved M-sand including watering, ramming, consolidating and dressing.The rate includes the cost of material, labour charges,required tools and plants etc., complete. Work shall be carried out as per the instructions of Engineer- in-charge of works as per the standard procedure.	m3	166.39			
42	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.iNCLUDING FORMWORK (The cost of steel reinforcement shall be paid separately) Mix Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregates	m3	3007.04			
43	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates	m3	1722.87			

	as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications including formwork. (The cost of steel reinforcement to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (for C C Drain & Chambers)					
44	Providing and laying in position Cement Concrete for all Foundation works.The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (for Footpath slope/open spaces)	m3	49.28			
45	Providing and laying 100mm thick pre-cast cover slabs over drains & Rain pit of width not exceeding 800 mm using M20 concrete reinforced with Micro Alloyed High carbon steel with 3mm - 3ply wired steel @ 2.00 kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.	m2	4793.00			

46	Removing and Refixing Cover slab of drains and pointing in Cement Mortor	m2	518.00			
47	Supplying & fixing Composite Fibre Reinforced Polymer (FRP) utility cover conforming to IS 12592:2002 with sufficient load bearing capacity as per technical specifications.Light Duty Square 600x600 mm with load bearing capacity upto 5t	No	500.00			
48	Supply and fixing of fibre reinforced plastic (FRP) covers of size 1000mmx1000mm of dark grey color frame .. Etc., of 10T capacity as per approved drawing .	No	84.00			
49	Providing, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electro fusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe around to a depth of not less than 15 cms. with soft gravel or selected earth available from the exaction, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 110mm dia Coil shall be used. For :HDPE PE 80 PN 6.0 110MM dia	m	10000.00			
50	Providing, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electro fusion welding, giving hydraulic test as per	m	20000.00			

	relevant ISS with all lead and lifts including encasing the pipe around to a depth of not less than 15 cms. with soft gravel or selected earth available from the exaction, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 200mm dia Coil shall be used. For :HDPE PE 80 PN 6.0 200MM dia					
51	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	m2	1395.76			
52	Providing Cement mortar 1:6 (1 cement : 6 fine sand) including cost of all materials, labour and usage charges of machinery complete as per the direction of engineer incharge of work.	m3	4.51			
53	Providing and laying 80mm thick factory made precast M -30 grade Cement Concrete Paver Block as per IRC SP 63:2018 & IS 15658 for Commercial Traffic Axle load repetitions upto 10MSA & for Residential Streets of approved shape and colour, laid in required pattern and including over 40mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (WMM/WBM Base to be paid separately as per relevant technical specification)	m2	1930.00			

54	Footpaths and Separators: Supplying and fixing M15 grade precast cement concrete Kerb stones for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of ngineer in charge. (The cost of PCC shall be paid extra) 600 x 300 x 150 mm Kerb Stone	m	7900.00			
55	Providing and applying Cold plastic paint two component rolled on surfacing material solvent free, high build two pack seamless,tough,skid resistant, material with property of attaining 2mm thickness in single coat application white(or as required colour)based on glass and colour retaining acrylic cross linking resin system for coloured road surfacing including surface cleaning and cost of all material etc. complete. (All inclusive on bitumen or concrete surface) work shall carried out as per IRC 35-2015 clause 2.2)	m2	4345.00			
56	Providing and Laying in position Precast RCC Bollards including, foundation, leveling,Hysd steel,painting with two coats,transportation as per the directions of Engineer-in-Charge	No	334.00			
57	Providing and laying in place 300mm x 300mm x 16mm cement tactile directional and warning tiles (for a person with visual impairment) of the approved brand and make and specified colour for outdoor floors such as footpath, courtyard, multimodals location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes and patterns including grouting the joints with white cement with matching pigments etc. complete as per as per standards.	m2	6358.80			
58	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	m2	2000			

59	Providing and applying primer coat with SS1 grade Bituminous Emulsion on prepared surface of granular Base including cleaning with mechanical Broom of road surface and spraying primer at the rate of 0.90 kg/m2 using mechanical means	m2	313.97			
60	Tack coat on Bituminous surface Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom	m2	107575.20			
61	Providing and laying Bituminous Macadam with 40/60 tph capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 3.3% by weight of mix, transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction	m3	1801.26			
62	Providing and laying Bituminous Macadam (Grading-II) with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 3.4% by weight of mix, transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction	m3	637.00			
63	Milling of existing Bituminous surface to a specified depth up to 40mm using Milling machine including disposal of removed material)	m2	88594.00			
64	Thin White Topping Construction of Thin White Topping with M40 grade plain cement concrete pavement over existing Bituminous surface (Preparation to be done if	m3	18783.45			

	necessary either by Milling or Levelling course with BM/DLC) with approved grade Cement as per IRC SP76:2015, coarse and fine aggregate conforming to IS 383:2016 ,maximum size of fine aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, including fibre reinforcement @ 9.25 kg/m3, transported to site, laid with slip form paver finisher, spread, compacted and finished in a continuous operation with Texture Curing Machine including provision of contraction joint, joint filler, sealant primer, joint sealant, admixtures, curing compound, steel channels,finishing to lines and grades as per drawing. (Cost of milling if necessary shall be paid seperately)OPC @420 kg/m3.					
65	Construction of Thin white topping with M40 grade plain cement concrete pavement over existing surface with approved grade cement @ 420 kg/m3 and as per IRC SP 76:2015, coarse and fine aggregate conforming to IS 383:2016, maximum size of fine aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid manually, spread, compacted and finished in a continuous operation with Texture Curing Machine including provision of contraction joint, joint filler, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing.	m3	931.73			
66	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-40, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with	m3	1398.93			

	smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.					
67	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibrator	m3	1111.62			
68	Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45 degree, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55:2014	Each	2223.00			
69	Positioning of a smart flagman with a yellow vest and a yellow cap and a red flag 600 x 600 mm securely fastened to a staff 1 m in length for guiding the traffic	Each	222.00			
70	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes	m2	8119.50			
71	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's Eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of	Nos	9362.00			

	providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimum reflective area of 13 cm2 on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the Engineer					
72	Retro-Reflectorised Traffic Signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 madeof Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cmx 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022.60cm	No.	16.00			

	Equilateral triangle					
73	Retro-Reflectorised Traffic Signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 madeof Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cmx 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022.60cm circular triangle	No.	16.00			
74	Retro-Reflectorised Traffic Signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 madeof Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cmx 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022.80cm x 60cm Rectangular (PWD SR 2023-24, Pg No 65, Item No. 8.6 A (x), Vol-	No.	11.00			

	III)					
75	Retro-Reflectorised Traffic Signs Retro-Reflectorised Traffic Signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 madeof Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cmx 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022.60cm x 60cm Square	No.	14.00			
76	Road Delineators -Supplying and installation of delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80 x100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and conforming to IRC-79 and the drawings	No.	3.00			
77	Providing and fixing of retro-reflectorised cautionary,mandatory and informatory sign as per IRC:67:2022 made of Class B Type IV retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 803.1, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild	Each	3.00			

	steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022. 90 cm equilateral triangle					
78	Providing and fixing of retro-reflectorised cautionary,mandatory and informatory sign as per IRC:67:2022 made of Class B Type IV retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 803.1, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022. 60 cm Circular	Each	3.00			
79	Providing and fixing of retro-reflectorised cautionary,mandatory and informatory sign as per IRC:67:2022 made of Class B Type IV retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 803.1, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of	Each	3.00			

	IRC:67:2022. 90 cm Octagon					
80	Providing and erecting direction and place identification retroreflectorised sign as per IRC:67:2022 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick or Aluminium composite material sheet with overall thickness of 4mm with area exceeding 0.9 m2 fixed over back support frame of min 40 x 40 x 5mm angle mounted on a mild steel circular pipe 65 NB, firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing	Sqm	13.50			
81	Removal of Unserviceable Soil with Disposal upto a suitable distance as directed by the Engineer incharge of work.	m3	50612.16			
82	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 10 m3)	m3	8019.91			
83	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km	m3	60227.22			
84	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, aximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire >	Each	700.00			

	IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB.Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with 120 W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned LED Streetlight 120 W					
85	Fabricating, supplying and erection of 8 mts long hot dip Galvanized Conical hot dip Pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/s for 8 m Pole in single section and single joint welded as per IS 9595/IS10178AWS having dimensions bottom 155 mm , top 75 mm with 3 mm thick, suitable base plate and 4Nos of 550mm long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding	Each	700.00			

	foundation) as per drawing appended. 8 m - Top 75 mm and Bottom 155 mm dia (PWD Vol-6,Electrical SR 2023-24, Utilization, PWD-Part-1 Electrical Item, Page No.- 12, Item No. 4.4.6)					
86	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existing pole / wall ceiling including clA, bolts, nuts and wiring using suitable capacity wires.(PWD Vol-6,Electrical SR 2023-24, Utilization, PWD-Part-1 Electrical Item, Page No.- 56, Item No. 13.5)	Each	504.00			
87	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia1.5m long M.S.Bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 ms. M. S. tubular pole, with necessary two coats of painting, with all other accessories.. - Double bracket 2x1.5 m. Length	Each	700.00			
88	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part- 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 3.5 Core, (12 GI Strips - 4 x 0.8 mm)	KM	18.53			
89	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff - LT Cable - 2.5 to 25 Sqmm	KM	17.73			
90	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS- 694:2010 - a) 4 core X 4 sqmm	m	832.00			
91	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation	m	832.00			

	sheathed suitable for working voltage upto 1100V as per IS- 694:2010 - a) 4 core X 6 sqmm					
92	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 25mm dia	Each	12.00			
93	Earth work excavation for cable trench of 0.5 to 0.75 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed. In Ordinary Soil	m3	200.00			
94	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. - HDPE Grade PE80-PN6.0, 63mm dia	m	17200.00			
95	Straight Through Jointing Kit Suitable for 1.1 kV Class LTUG Cable as per IS-13573 - Epoxy Type - 25 Sqmm, 4 Core	Set	140.00			

96	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 3C X 4Sq.mm	Mtr	6904.00			
97	Digging of Pit for providing GI Pipe type Earthing - Ordinary Soil	Per pit	47.00			
98	Grounding Material - Pipe Grounding GI Grounding pipe, B - Class, 42 mm dia, 2.5 Mtr long, 3.2 mm thick with bolt, nut, GI Strips and washer complete. Minimum Weight of GI Pipe: 7.3 Kg	No	47.00			
99	Good Quality well burnt Charcoal for groundingpurposes packed in non returnable gunny bag of 30 Kg each	No	47.00			
100	Good Quality Salt for grounding purposes packed in 50 Kg gunny bag	Bag	71.00			
101	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.	Each	14.00			
102	Supplying of on load change over switches 4 poles, AC 23Amps duty 415V, 50HZ, AC Supply. (Open Execution) Upto 63Amps	Each	14.00			
103	Supply and fixing of 4Pole Power Contactor With No/NC Contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 40AMPS	Each	14.00			
104	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle	Each	14.00			

	and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25KA.					
105	Supplying and Fixing of shunt trip suitable for MCCB/CBCT.	Each	14.00			
106	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' curve , indicator ON/OFF, energy cross-3 with Short circuit breaking cappacity of 10K and complete wiring as required. Confirming to IEC 60898. 6-32 AMPS TPN.	Each	38.00			
107	upplying, fixing and wiring rotary selector switch suitable for Ammeter.	Each	14.00			
108	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter.	Each	14.00			
109	Supplying, fixing and wiring 3 phase Digital Ammeter/ Voltmeter	Each	38.00			
110	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 Amps three phase 4 wire whole current class-1 Accuracy Energy Meter.	Each	14.00			
111	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.C.	Each	38.00			
112	Supplying 100Amps rated 3phase with neutral bus bar using required capacity electrolytic alluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which	Mtr	58.00			

	are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary botls,nuts and washers 100Amps 4x30x6mm Alluminium Strips					
113	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat 50X50X6MM with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. - 50X50X6MM (PWD Vol-6,Electrical SR 2023-24, Utilization, PWD-Part-1 Electrical Item, Page No.- 20, Item No. 5.41.2)	Mtr	50.00			
114	Fabricating supplying and mounting MS box made out 14 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. 14SWG.	Sqcm	384040.00			
115	Developing the area of shurbs by digging to a depth of 0.45m, filling 50% with sand [0.0375 Cum], FYM [0.075 Cum], Red earth [0.21], [i.e. in the proportion of 1:2:3] aand planting with well established plants (8 plants per sq. mtr) exclusive of cost of plants and inclusive of ingredients	m2	125.00			
116	Cost of the Plant (8 Plants per Sqm) including Transportation and Handling Charges	m2	125.00			
117	Digging pits size 0.75m x 0.75m x 0.75 filling upto 50% the pits with top excavated soil and remainig 50% with sand Fym, Red earth (0.021 Cum) (i.e in the proportion of 1:2:3) and planting of Ficus Benjimina Prestige (	m2	125.00			

	90cm - 150 cm ht) Ficus Benjimina Starlight (90 cm - 150cm ht) Ficus Benjimina Black (90 cm - 150cm ht) / Ficus Nuda / mini luccii (90cm - 150 cm ht) / Ficus panda (90cm - 150 cm ht)Ficus triangularis Including Cost of plant, materials, transportationand handling & planting Cost)					
118	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	m3	17.50			
119	Supplying, filling, spreading &leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineerin-charge.	m3	17.50			
120	Supplying, filling, spreading &leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge.	m3	12.50			
121	Gravel packing in tube well construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineerin- charge.	m3	7.50			
122	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.	each	30.00			

123	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270,of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.100 mm nominal size dia having minimum wall thickness 5.00 mm	m	17.50			

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: _____ [Name of Employer]
_____ [Address of Employer]

WHEREAS _____ [Name and Address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ____ dated _____ to execute _____ [name of Contract and Brief Description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized Bank for the sum specified therein as Security for compliance with his Obligations in Accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee.

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, upto a total of Rs._____ [Amount of Guarantee][7] Rupees_____ [in Words] and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [Amount of Guarantee][8] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.
We further agree that no Change or Addition to or other Modification of the Terms of the Contract or of the Works to be performed there under or of any of the Contract Documents which may be made between you and the Contractor shall in any way release us from any Liability under this Guarantee, and we hereby waive Notice of any such Change, Addition or Modification.

This guarantee shall be valid until 30 days from the Date of Expiry of the Defects Liability Period.

Signature and Seal of the Guarantor:
Name of Bank:
Address:
Date:

[7] An Amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract.
[8] An Amount shall be inserted by the Guarantor, representing the percentage of the Contract Price

specified in the Contract.

SECTION 11: BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT

To

Chief Commissioner
Bruhat Bengaluru Mahanagara Palike
N. R. Square
Bengaluru – 560 002

In accordance with your **Tender No. EE/RI-YNK/TEND/07/2024–25, Date: 12.03.2025** for the Work of **Comprehensive Development of Selected 04 Arterial, Sub arterial and other major connecting Roads in Yelahanka Zone and Dasarahalli Zone by Providing White Topping Under ESCROW Grants Package – 7**, (hereinafter called "the Tender"), M/s. _____ one of the Tenderers (hereinafter called the "the Tenderer") having its Registered Office at _____, wishes to participate in the said Tender and an irrevocable Bank Guarantee against Earnest Money Deposit for an Amount of Rs. _____ (Rupees) is required to be submitted by the Tenderer towards the Tender Security.

KNOW ALL MEN by these presents that we, _____ (Name of Bank) of _____ (Name of Country) having our Registered Office at _____ (hereinafter called "the Bank") at the Request of the Tenderer do hereby unequivocally and unconditionally guarantee the same Amount as stated above. The Bank is bound unto Bruhat Bengaluru Mahanagara Palike, N. R. Square, Bengaluru – 560 002 (hereinafter called "the Employer) in the same Amount as stated above for which Payment well and truly to be made to the said Employer, the Bank binds himself, his Successors and Assigns by these presents.

SEALED with the Seal of the said Bank this _____ day of _____ 2025.

The Conditions of this Obligation are:

1. If the Tenderer withdraws his Tender after Tender Opening during the Period of Tender Validity specified in the Tender Document; or
2. If the Tenderer does not accept the Correction of the Tender Price in accordance with the Instructions to Tenderers.
3. If the Tenderer having been notified of the Acceptance of his Tender by the Employer during the Period of Tender Validity
   a. Fails or refuses to execute the Form of Agreement in accordance with the Instructions to Tenderers; or
   b. Fails or refuses to furnish the Performance Security in accordance with the Instructions to Tenderers.

We undertake to pay to the Employer upto the above Amount upon Receipt of his First Written Demand, without the Employer having to substantiate his Demand, provided that in his Demand the

Employer will note that the Amount claimed by him is due to him owing to the Occurrence of one or any of the Conditions, specifying the Occurred Condition or Conditions.
This Guarantee will remain in force upto and including _____ (Date) i.e. 135 (one hundred and Thirty Five) days beyond the Tender Validity as such Deadline is stated in the Instructions to Tenderers or it may be extended by the Employer, Notice of which Extension (s) to the Bank shall be received from the Tenderer on whose behalf this Guarantee has been issued. Any Demand in respect of this Guarantee should reach the Bank not later than the above Date.

Date _____

Signature of the Bank _____
Seal of the Bank _____

Signature of the Witness _____

Name and Address of the Witness _____